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No. 33] NEW DELHI, SATURDAY, AUGUST 13, 1983 (SRAVANA 22, 1905)

इस भाग में निम्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 13th August 1983

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CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 12th February 1983, under the heading "PATENTS SEALED" delete 149606.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

7th July 1983

838/Cal/83. Diman Kumar Pathak. Hydraulic system of braking and braking energy retrieving and reutilizing device.

839/Cal/83. (1) Vladimir Kuzmich Baranov, (2) Akhsarbek Borisovich Pinov, (3) Valery Nilloaevich Potapov, (4) Vladimir Vasilievich Rostokinsky, (5) Stanislav Vasilievich Ryabikov, (6) Viktor Anatolievich Sabelnikov, (7) Dmitry Semenovitch Strebkov and (8) Eduard Vladimirovich Tveryanovich. Solar photoelectric module.

840/Cal/83. Institut Metallurgii Imeni 50-Letia Sssr Akademii Nauk Gruzinskoi Ssr. Process for producing metallic arsenic.

841/Cal/83. Compagnie Generale De Constructions Telephoniques. Loop-circuit for telephone line.

8th July 1983

842/Cal/83. Kingsley Corporation Pvt. Ltd. Staves for carding machines.

843/Cal/83. Orgreb—Institut fur Kraftwerke. Process and arrangement for starting of neighbouring coal dust-fired steam generator.

844/Cal/83. Orgreb—Institut fur Kraftwerke. Coal dust ignition burner.

845/Cal/83. Energy Conversion Devices, Inc. Magnetic apparatus for reducing substrate warpage.

846/Cal/83. Institut Metallurgii Imeni 50-Letia Sssr Akademii Nauk-Gruzinskoi Ssr. Process for producing high-purity metallic arsenic.

847/Cal/83. The Lubrizol Corporation. An aqueous system comprising water, and carboxylic solubilizer/surfactant composition. [Divisional date 25th September, 1979].

848/Cal/83. Meiji Seika Kaisha Ltd. 1-oxadethiacephalosporin compound and the production of the same.

849/Cal/83. Environmental Elements Corporation. Process for removal of sulfur from waste gases.

850/Cal/83. Institute Po Metaloznanie I Technologia Na Metalite. Method for pressure diecasting.

851/Cal/83. Michelin & Cie. (Compagnie Generale des Etablissements Michelin). Tire having a body without reinforcement structure in the sidewalls and in the crown, and a crown reinforcement.

852/Cal/83. Electronic Display Network. Electronic display unit to depict static graphics in scrolling motion.

11th July 1983

853/Cal/83. Sumitomo Chemical Company Limited. Reactive metal formazan blue dye.

854/Cal/83. Institut Metallurgii Imeni 50-Letia Sssr Akademii Nauk Gruzinskoi Ssr. Process for producing arsenic sulphide.

855/Cal/83. Aluminium Pechiney. Electrolysis cell comprising a floating screen conductor for the production of aluminium.

856/Cal/83. Hylsa, S.A. Method of converting iron ore into molten iron.

857/Cal/83. Bethlehem Steel Corporation. Radiation scanning and measuring device.

858/Cal/83. Rudi Blumle. Method for fabricating a master plate and a master plate fabricated thereby having fitting bores disposed at prespecified coordinate intervals.

859/Cal/83. Compagnie Generale De Constructions Telephoniques. Additional line coupling circuit to an intercom telephone set.

860/Cal/83. Central Exchange and Credit Bank Co. Innovation Fund. Process for the preparation of antispasmodic products to be fixed on the skin, in particular for the spasm of the muscles.

13th July 1983

861/Cal/83. The Babcock & Wilcox Company. Interpolating function generator for transmitter square root extraction.

862/Cal/83. Energy Conversion Devices, Inc. Fuel cell cathode.

863/Cal/83. Asahi Glass Company Limited. Cathode having high durability and low hydrogen overvoltage and process for the production thereof.

864/Cal/83. Energy Conversion Devices, Inc. Surface modified electrode.

865/Cal/83. Energy Conversion Devices, Inc. Electrolytic cell anode.

866/Cal/83. Energy Conversion Devices, Inc. Electrolytic cell cathode.

867/Cal/83. The Babcock & Wilcox Company. Water level gauge with fault detector.

868/Cal/83. Energy Conversion Devices, Inc. Fuel cell anode.

869/Cal/83. Roto-Sieve AB. A device for separating liquid from a slurry and comprising a spillway.

870/Cal/83. Astilleros Espanoles, S.A. Method and apparatus for increasing efficiency of a propeller-driven vehicle.

871/Cal/83. Thomas Broadbent & Sons Limited. Improvements in decanting type centrifuges. (13th July, 1982).

872/Cal/83. Anicon, Inc. Chemical vapor deposition apparatus and process.

873/Cal/83. Stone & Webster Engineering Corporation. Automatic pressure sensitive regulation assembly.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS 32F_{1c}, 55D₁ & 60X.

151825.

Fig. 2 of the drawings

Int. Cl. A01n 9/00, C07c 157/14.

A PROCESS FOR PRODUCING LEPIDOPTERICIDAL ISOTHIOUREA COMPOUNDS.

Applicants:—STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, U.S.A.

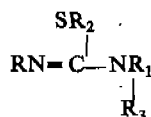
Inventors:—LLEWELLYN W. FANCHER AND HERBERT BENSON SCHER.

Application No. 316/Cal/80 filed March 19, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

9 Claims

A process for producing a compound having the formula

wherein R and R₁ are independently selected from the group consisting of:C₂–C₁₀ alkyl, C₂–C₁₀ alkoxyalkyl, and phenyl and R and R₁ together contain from 12 to 22 carbon atoms;wherein R₂ is selected from the group consisting of:C₁–C₁₄ alkyl, C₃–C₁₀ alkenyl, C₃–C₄ alkynyl, C₂–C₄ hydroxyalkyl, C₂–C₆ alkylthioalkyl, C₂–C₆ alkyloxyalkyl, (CH₂)_n [X(CH₂)_n]_y where n=1 or 2, X is O or S and y=1-4,
$$\begin{array}{c} \text{O} \\ || \\ \text{---}(\text{CH}_2)_n\text{COH} \end{array}$$
 where n = 1-10, phenyl, and phenethyl;
wherein R₃ is selected from the group consisting of: carboalkoxyalkyl wherein the alkyl isC₁–C₄ alkyl,

alkylketoalkyl wherein the alkyl is

C₁–C₄ alkyl,

hydroxyalkenyl wherein the alkenyl is

C₃–C₄ alkyl,

hydroxyalkyl wherein the alkyl is

C₁–C₁₂ alkyl;

formylhydroxymethyl,

hydroxyhaloethyl wherein the halo is chloro, bromo or iodo,

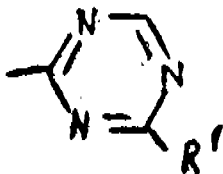
substituted phenoxyalkyl wherein the alkyl is C₁–C₂ alkyl,and the substituents are p-methoxy, Cl, NO₃ or CN, Fig. 1 of the accompanying drawings,

Fig. 1

wherein R₁ is selected from the group consisting of:

–OH,

–NH₂ or –C₁–C₄ alkoxy,
$$\begin{array}{ccc} \text{OH} & \text{OH} & \text{SR}_2 \\ | & | & | \\ \text{---CH---CHN---C---NR}_1 \end{array}$$

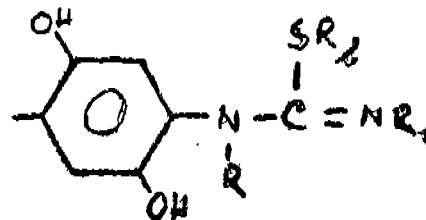
$$\text{---CH---CHN---C---NR}_1$$
 wherein R, R₁ and R₂ are as defined above,


Fig. 2

wherein R, R₁ and R₂ are as defined above;
$$\text{---PO}_2\text{B, ---PO}_2\text{B or ---SO}_2\text{B}$$
 wherein B is a base;

Fig. 4 of the drawings

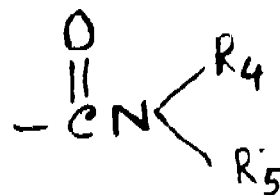


Fig. 4

wherein R₄ is selected from the group consisting of:

–H,

C₁–C₂₂ alkyl, hydroxyethyl, naphthyl, phenyl, substituted phenyl wherein the substituents are independently selected from the group consisting of halogen, C₁–C₅ alkyl, C₁–C₅ alkoxy, nitro, cyano and –CF₃,

Fig. 5 of the drawings

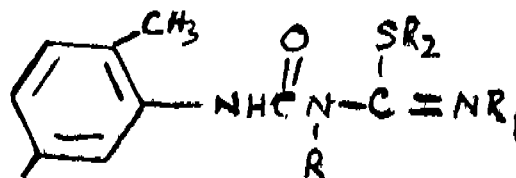


Fig. 5

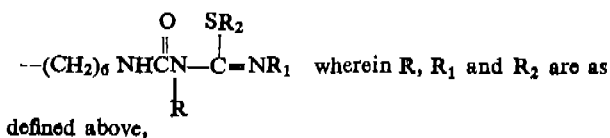
wherein R, R₁ and R₂ are as defined above,

Fig. 6 of the drawings

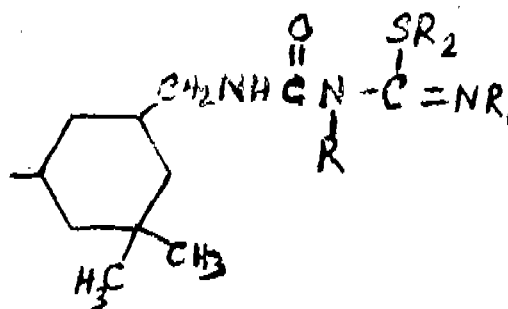


Fig. 6

wherein R, R₁ and R₂ are as defined above.

Fig. 7 of the drawings



Fig. 7

wherein R, R₁ and R₂ are as defined above,

Fig. 8 of the drawings

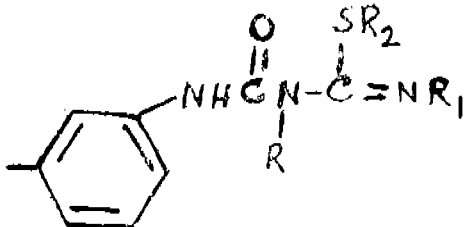


Fig. 8

wherein R, R₁ and R₂ are as defined above,

Fig. 9 of the drawings

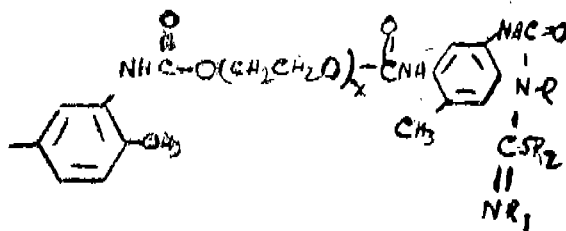


Fig. 9

wherein x is 1 to 8 and R, R₁ and R₂ are as defined above,

Fig. 10 of the drawings

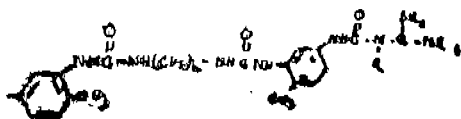


Fig. 10

wherein m is 2 or 3 and R, R₁ and R₂ are as defined above,

Fig. 11 of the drawings

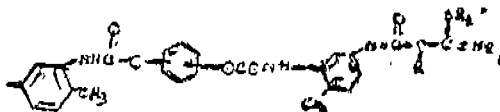


Fig. 11

wherein R, R₁ and R₂ are as defined above,

Fig. 12 of the drawings

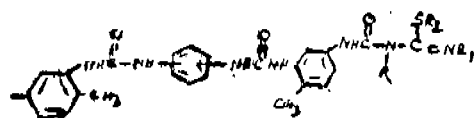


Fig. 12

wherein R, R₁ and R₂ are as defined above,

Fig. 13 of the drawings

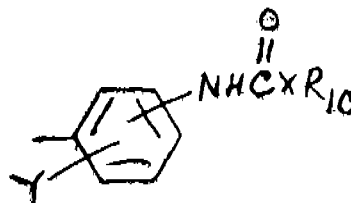


Fig. 13

wherein X is selected from the group consisting of :

O, S, NH and NR₁₁;

Y is hydrogen or methyl; and R₁₀ is selected from the group consisting of :

—H,

C₁—C₁₈ alkyl, C₃—C₄ alkenyl, C₃—C₄ alkynyl, C₂—C₆ haloalkyl, C₃—C₈ cycloalkyl, C₇—C₂₀ polycycloalkyl, C₂—C₁₆ polyalkoxyalkyl, C₂—C₆ hydroxyalkyl, C₃—C₁₀ alkoxyalkyl, C₃—C₈ carboalkoxyalkyl, C₄—C₈ cycloalkylalkyl, C₄—C₈ alkylcycloalkyl, C₄—C₇ cycloalkylimino, C₂—C₁₀ alkylimino, C₁—C₃ alkylamino, C₄—C₁₂ dialkylaminoalkyl, C₆—C₁₀ cycloalkenyl, phenyl, alkylphenyl wherein the alkyl is C₁—C₄, para-chloroalkylphenyl wherein the alkyl is C₁—C₄, naphthyl, anthracenyl, benzamidocycloalkyl wherein the alkyl is C₁—C₂, pyranilylmethyl, tetrahydrofurfuryl, thiofenemethyl, benzhydryl, halobenzhydryl, polycyclic alcohol, and substituted phenyl wherein the substituents are selected from the group consisting of :

C₁—C₄ alkyl, halogen, nitro, trifluoromethyl, formyl, chloroacetyl, C₁—C₄ alkoxy, hydrogen, benzyl, chlorobenzyl, phenethyl, and substituted phenethyl wherein the substituents are selected from the group consisting of :

C₁—C₄ alkyl and halogen, and R₁₁ is selected from the group consisting of :

C₁—C₄ alkyl, C₃—C₆ alkoxyalkyl, and C₃—C₄ alkenyl;

R₁₀ and R₁₁ taken together form heterocyclic compounds ; provided that when X = O or S then R₁₀ is other than hydrogen; and substituted phenyl wherein the substituents are selected from the group consisting of :

halogen, C₁—C₄ alkoxy, phenoxy, trifluoromethyl, C₁—C₆ thioalkyl, nitro, isocyanato, C₂—C₄ polyalkoxy, C₃—C₇ cycloalkyl, C₃—C₂₄ carboalkoxyalkyl, C₁—C₈ haloalkyl, C₃—C₁₂ alkenyl, C₂—C₆ dialkylamino, phenylamino, C₁—C₂₄ alkyl, C₃—C₁₂ hydroxyalkyl-amidoalkyl, C₃—C₁₀ N, N-hydroxyalkylureidoalkyl, isocyanatoalkyl wherein the alkyl is C₁—C₃, C₃—C₁₂ alkylamidoalkyl, polyalkoxyamidoalkyl wherein the polyalkoxy moiety contains from 3—6 repeating C₂—C₃ alkoxy units and the amidoalkyl moiety contains from 4—12 carbon atoms, —SO₂ Cl, —SO₂ polyalkoxy-amidoalkyl wherein the polyalkoxy moiety contains from 3—6 repeating C₂—C₃ alkoxy units and the amidoalkyl moiety contains from 4—12 carbon atoms;

R₃ is selected from the group consisting of :

hydrogen, C₁—C₄ alkyl, C₃—C₆ alkoxyalkyl, C₃—C₄ alkenyl, hydroxyethyl, and phenyl; R₄ and R₅ taken together

form heterocyclic compounds; and —CXⁿR₆ wherein X is O or S, n is 0 or 1, R₆ is selected from the group consisting of :

C₁—C₁₈ alkyl, C₂—C₆ haloalkyl, phenyl, and substituted phenyl wherein when n = 1 the substituents are selected from the group consisting of :

nitro, chloro, C_1-C_6 alkyl, C_4-C_6 polyalkoxyalkyl, C_3-C_8 cycloalkyl, C_3-C_4 alkenyl, C_3-C_6 alkoxyalkyl, C_2-C_6 hydroxyalkyl, C_1-C_3 carboxyalkyl, and C_3-C_8 trialkylammoniumalkyl salts, and when $n = 0$ the substituents are selected from the group consisting of :

chloro, thiopotassium, C_1-C_{18} alkyl, benzyl, C_1-C_2 heteroalkyl, C_2-C_4 chlorocarboxyalkyl, C_4-C_6 polyalkoxyalkyl,

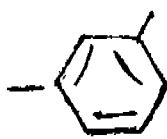
and acetyl; $-\text{CR}_7\text{C}(\text{O})\text{Z}$ wherein R_7 is selected from the group consisting of;

$-(\text{CH}_2)_n$ wherein $n = 0$ to 8, $-\text{CH}=\text{CH}-$, Fig. 14 of the drawings



wherein M is H or Cl,

Fig. 15 of



the drawings, $-\text{CCl}=\text{CCl}-$, $-\text{CH}_2\text{OCH}_2-$, and $-\text{OCH}_2\text{CH}_2\text{O}-$; $d = 0$ or 1, and when $d = 1$ Y is selected from the group consisting of: $-\text{O}-$, $-\text{S}-$, and $-\text{NH}-$; Z is selected from the group consisting of: $-\text{C}_1-C_{18}$ alkyl, hydrogen, C_4-C_{16} polyalkoxyalkyl, C_4-C_8 dialkylaminoalkyl, C_3-C_5 alky n y

phenyl, substituted phenyl, organic salts, inorganic salts, and when $d = 0$, Z is Cl or $-\text{SR}_2$ $-\text{N}-\text{C}=\text{NR}_1$ wherein R_1 , R_2 and R are as defined above;

$-\text{P}(\text{R}_8)_2$ wherein R_8 is selected from the group consisting of :

C_1-C_{10} alkoxy, amino C_1-C_{14} alkoxyamino, hydroxy, and organic base;

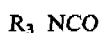
$-\text{SO}_w\text{R}_9$ wherein $w = 0-2$ and R_9 is selected from the group consisting of :

amino C_1-C_{10} alkyl, C_1-C_4 haloalkyl, phenyl, C_1-C_{10} dialkylamino, C_1-C_{10} alkylamino C_1-C_{10} alkoxy, substituted phenyl wherein the substituents are selected from the group consisting of :

nitro,
chloro,
 C_1-C_4 alkyl, and
methoxy,

comprising reacting an isothiourea base having the formula
 SR_2
 $\text{R}-\text{N}-\text{CNHR}_1$

Wherein R , R_1 and R_2 are as described above with an isocyanate having the formula



Wherein R_3 is as described above in a non-reactive solvent at a temperature of from -20°C to 80°C .

(Compl. Specn. 305 pages. Drg. 23 sheets).

CLASS 129G & 153.

151826.

Int. Cl. B24c 3/00.

A DEVICE FOR AIRLESS BLAST WITH PARTICULATE MATERIAL.

Applicants : WHEELABORATOR-FRYE INC., OF LIBERTY LANE, HAMPTON, NEW HAMPSHIRE, UNITED STATES OF AMERICA.

Inventors : RAYMOND M. LELIAERT, RICHARD C. KANOUSE, BILL J. BUTLER AND ROBERT N. LINDNER.

Application No. 657/Cal/80 filed June 2, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), The Patent Office, Calcutta.

16 Claims.

A device for airless blast with particulate material comprising a wheel having wheel blades which extend radially outwardly from an axial portion of the wheel, means for driving the wheel in rotational movement at high speed, and means for feeding particulate material to the inner end portions of the wheel blades for engagement by the blades during rotational movement of the wheel whereby said engaged particulate material is displaced outwardly over the surfaces of the blades for projection at high velocity from the outer ends of the blades, in which the means for feeding particulate material to the blades comprises a vertically disposed tubular member having an upper inlet in communication with a discharge opening aligned with the inner end portions of the blades and which embodies at least one of the features of a discharge opening which is at the apex of a section of decreasing cross section, said decreasing cross section forming a discharge opening having a dimension in the direction of rotation of the wheel which is greater than the crosswise dimension whereby the time of flow of particulate material onto the blades is increased thereby to increase the length of the pattern of particulate material thrown from the outer ends of the blades.

(Compl. Specn. 19 pages. Drg. 4 sheets).

CLASS 72B

151827.

Int. Cl. C06b 21/00.

A METHOD OF PREPARING A PRIMARY OR INITIATING EXPLOSIVE.

Applicant : IDL CHEMICALS LIMITED, SANATNAGAR (I.E.) P.O., HYDERABAD-500 018, ANDHRA PRADESH.

Inventors : (1) DR. PATWARDHAN WAMAN DATTA-TRAYA, (2) DR. COODLY PUTTASASTRY RAMASWAMY.

Application No. 87/Mas/80 filed May 9, 1980.

Complete specification left May 11, 1981.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims. No drawing.

A method of preparing a primary or initiating explosive comprising the preparation of a first solution of lead acetate containing a crystal habit modifier; a second solution of a water soluble styphnate and sodium azide; introducing the first and second solutions simultaneously into a reactor containing a solution of a crystal habit modifier, under constant stirring; and allowing the reaction mass to cool and settle before recovering by known methods and resulting isogonous mixed crystals of lead azide and lead styphnate.

(Prov. —6 pages; Comp 14—pages)

CLASS 45G.

151828.

INT. CLE 03 d 1/00.

AN IMPROVED FLUSHING CISTERN.

Applicant & Inventor : MOIDEEN ABDUL WAHAB KAMARUDIN, PROPRIETOR, OLYMPIC CISTERN, NO. 1013, 11TH MAIN, R.P.C. LAYOUT, VIJAYANAGAR, BANGALORE-560 040, KARNATAKA.

Application No. 170/Mas/80 filed September 1, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

An improved flushing cistern comprising a chamber for containing water wherein is disposed a syphon defined by an inverted U-tube whose one end is left open and free, while its other end is connected in air-tight manner to the outer discharge pipe of said chamber; the syphon U-tube having an upwardly extending bent tube provided towards said other end, and the upward extension, of said bent tube being provided with a downwardly tapered opening which is closed by means of a correspondingly tapered weight lined with rubber or like materials to facilitate water-tight sealing, the weight being freely suspended from one end of a lever which is articulated through a guide hole provided with an overhanging projection located above said tapered opening, said projection being rigidly fixed to said syphon U-tube, and said lever, which is placed inside the chamber, being operated for lifting up said weight by means of an external lever or handle; the cistern being provided with conventional water filling system.

(Com. —5 pages; Drawings. —1 sheet).

CLASS 70B.

151829..

INT. CL. B 01 K 3/02.

A PROCESS FOR THE MANUFACTURE OF LEAD DIOXIDE ELECTRODES.

Applicant: IDL CHEMICALS LIMITED, SANAT-NAGAR (I.E.) P.O., HYDERABAD-500 018, ANDHRA PRADESH.

Inventors: (1) DR. ARSHAD AHMED, (2) LINGALA LAXMI NARASA REDDY.

Application No. 26/Mas/81 filed February 16, 1981.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims. No drawing.

A process for the manufacture of a lead dioxide electrode characterised by providing a lead dioxide surface on a titanium substrate, wherein the said surface and substrate are prepared by the electrode-position of lead dioxide on a titanium sheet carried out in an electrolytic cell wherein the cathode is of pure copper while the anode is the said titanium sheet, the electrolyte comprising a mixture of lead nitrate and copper nitrate maintained in an agitated condition until an adherent layer of lead dioxide of a thickness equal to a predetermined number of microns is deposited on the said sheet.

(Com. —10 pages).

IND. CLASS—87 I.

151830.

INT. CLASS—A 63 H 27/00.

TOY AEROPLANE.

Applicant & Inventor: SMT. NITABEN PRADIPBHAI SHAH, OF 5, PARNAKUNJ, AMBAWADI ELLISBRIDGE, AHMEDABAD-380 006.

Application No. 320/Bom/1980 filed on Oct. 23, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

11 Claims.

A toy aeroplane, capable of being folded to a flat configuration and selectively erected to an operating configuration, comprising a longitudinally extending first member of sheet material constituting a fuselage of the toy aeroplane, said first member being folded along a longitudinal line into a pair of juxtaposed symmetrical parts; a pair of survey curved slots in the first member, said slots being located one in each of said parts so as to be juxtaposed with one another in the folded first member; and a second member of sheet material constituting a wing of the toy aeroplane, said second member passing through the juxtaposed slots in the first member and having a fold line located between the said symmetrical parts

of the first member and being aligned longitudinally parallel to the longitudinal line in the first member, the said fold line dividing the second member into symmetrical sections, which are capable of being moved between a first position, wherein the said sections are relatively flat and folded into juxtaposition with one another along the fold line in the second member, and a second position wherein the said sections extend in generally opposite directions from the fold line, in the second member and portions of the said sections adjacent the slots in the first member including a portion of the second member containing the fold line, are curved to conform generally to the curve of the said slots in the first member so as to maintain the said sections of the second member in the second position against inadvertent return towards the first position.

(Complete Specification—19 pages; Drawings—3 sheets.)

Ind. Cl. 172C4

151831

Int. Cl. D01 h-5/00.

IMPROVEMENTS IN OR RELATING TO TOP ARM OF A DRAFTING MECHANISM FOR DRAFTING TEXTILE FIBRES.

Applicant: STAR INDUSTRIAL & TEXTILE ENTERPRISES LIMITED AN INDIAN COMPANY ORGANISED AND EXISTING UNDER THE COMPANIES ACT (1 OF 1956) HAVING OUR OFFICE AT DHANRAJ MAHAL, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400 039, STATE OF MAHARASHTRA, INDIA.

Inventors: (1) VINAYAK ANANT WAKANKAR, (2) RAMESH JANARDAN PHATAK, (3) RAMESH YADAV-RAO CHURI.

Application No. 371/Bom/1980, filed on Nov. 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office, Bombay Branch.

5 Claims.

Improvements in or relating to top arm of a drafting mechanism for drafting textile fibres, the top arm carrying three top rollers with their respective springs and spring retainers, the top arm being attached to a channel-shaped hinge loosely mounted on the arm bar, the hinge also housing a clamp bracket such improvements consisting of an extension of the clamp bracket going under the innermost bottom roller, said extension carrying a hook adapted to engage at its free end in a slot in a slotted latch, the latch being hinged along the loading lever.

(Complete specification—8 pages. Drawings—3 sheets.)

Ind. Class 205H.

151832.

Int. Cl B 60 c 7/10 B 60 C—19/12.

PUNCTURE PROOF TYRE FOR VEHICLES.

Applicant and Inventor: SUBHASH RAMKRISHNA RATHI, 430/A/32, Senapati Bapat Road, Pune-411 016, MAHARASHTRA STATE, INDIA.

Application No. 48/Bom/81, filed on Feb. 16 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office, Bombay Branch.

2 Claims.

Puncture-proof tyre for vehicles comprising (i) an outer tyre components made of rubber of hard composition, (ii) an inner elastic component of resilient material, the said outer and inner components being fitted over the rim of the wheel in conventional manner, characterised in that the said inner component is having a horse-shoe like cross section, the open ends, being towards the said rim of the wheel, the said inner component is either hollow with fairly thick wall or solid having softer sub-stratum with or without reinforcement.

(Complete Specification—4 pages, Drawing—1 Sheet).

Ind. Cl. 127I + 1365.

151833.

Int. Cl. B06b—1/16, F16c 3/00.

Title :—IMPROVED ECCENTRIC DRIVE MECHANISM FOR ROTARY SHAKER.

Applicant & Inventor : MADHUKAR NAGESH VAIDYA, "TRIMOORTI", 425/88, T.M.V. NAGAR, PUNE-411 009, MAHARASHTRA, INDIA.

Application No. 78/Bom/81, filed on Mar 23, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office, Bombay Branch.

1 Claim.

Improved eccentric drive mechanism for rotary shaker comprising a rotating plate eccentrically mounted on a horizontal pulley rotated by a prime-mover, characterised in that each of the free end of the said plate is articulately connected to a connecting rod, on the other end of which there is provided a piston plying in a cylinder the said cylinder assembly being mounted on a swivelling pivot provided in the framework of the rotary shaker; the said plate of the said shaker is thus rigidly and securedly supported by the said connecting rods which afford strong, yet smooth resilient equilibrium to the said rotary shaker to accomplish multi-tier loading and work at high speed.

(Complete specification—6 pages. Drawings—3 sheets.)

CLASS 154G.

151834.

Int. Cl. B41c 19/00, B41m 5/00.

A PROCESS FOR PREPARING A DRY RELEASE TRANSFER SHEET.

Applicants & Inventors : KENNETH JAMES REED, OF 33 CARLYSLE SQUARE, LONDON S.W. 3, ENGLAND.

Application No. 290/Cal/79 filed March 24, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

30 Claims.

A process for preparing a dry release transfer sheet which is characterised by having a carrier sheet, forming a releasable layer on said carrier sheet in a manner as herein described and adhered thereto, a stress-resisting, transferable design layer printed on the said releasable layer by a process as herein described, said releasable layer having low cohesive strength or low tensile strength compared with the transferable design layer and said transferable design layer having an elongation at break of at least 0.5%, whereby application of a external force to the carrier sheet in the region of the design layer is transmitted to the releasable layer and causes weakening or rupture of the adhesive bond between the releasable layer and the said carrier sheet thus enabling transfer of the design layer with the whole or part of its underlying releasable layer

(Compl. Specn. 51 pages. Drg. 4 sheets).

CLASS 34A & 172D.

151835.

Int. Cl. D01d 5/00, 7/00, 9/00.

SPINNING UNIT FOR THE CONTINUOUS SPINNING OF VISCOSE RAYON.

Applicants : SNIA VISCOSA SOCIETA' NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA S.P.A. OF 18, VIA MONTEBELLO, MILANO, ITALY.

Inventors : (1) UGO PAOLETTI, (2) ALESSANDRO VOLTERRA.

Application No. 308/Cal/79 filed March 29, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

23 Claims.

Spinning unit for the continuous spinning of viscose rayon, comprising, in association with viscose feeding and coagulating means, means for feeding and applying treatment and wash liquors, a collecting tub for the liquors and means for discharging the same, a treatment roller divided into treatment zones and a plurality of advancing rollers having asked axes and different distanced from the treatment roller, characterised in that the treatment roller and the advancing rollers are carried bracket-like by a support arm in which they are rotatably supported.

(Compl. Specn. 20 pages. Drg. 6 sheets).

CLASS 206E.

151836.

Int. Cl. H03k 17/02.

EXPANDABLE DIGITAL SWITCHING NETWORK.

Applicants : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : ALAN JAMES LAWRENCE, JOHN MACHAEL COTTON AND JEFFREY NEIL DENENBERG.

Application No. 415/Cal/79 filed April 25, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

11 Claims.

A distributed control digital switching network having a plurality of stages of switching elements for selectively inter-connecting a plurality of data terminals switched by said network in response to control signals, including :

(a) means for multiplexing data from said terminals and control signals including at least switching path selection control signals onto the same transmission paths, which transmission paths are coupled to the first stage of said network;

(b) means responsive to said selection control signals for establishing transmission paths through said network and for coupling said data from said terminals onto said established transmission paths through said network, and

(c) means associated with each of said switching elements at each stage of said network for bit-asynchronously coupling said data through said network to said switching elements via said transmission paths set up through said network such that said data is bit resynchronised by each switching element and such that any of said terminals may be selectively connected by said established transmission paths through said network to any other of said terminals.

(Compl. Specn. 31 pages. Drg. 11 sheets).

CLASS 160A.

151837.

Int. Cl. B62d 21/00.

IMPROVEMENTS IN OR RELATING TO PLATFORM ASSEMBLIES FOR MOTOR VEHICLES.

Applicants : SOCIETE DITE : A.C.M.A.T., ATELERS DE CONSTRUCTIONS MACANQUES DE L'ATLANTIQUE, OF LE POINT DU JOUR—44600 SAINT MAZAIRE —FRANCE.

Inventors : MR. LEGUEU RENE.

Application No. 495/Cal/79 filed May 14, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

A platform assembly for a motor vehicle, of the type comprising a carrying chassis on which a rear loading bed is removably mounted, said carrying chassis having mounted

thereon rear wheels driven by a rear axle said platform assembly comprising two longitudinal members connected by at least a transverse member positioned slightly forwardly with respect to the said wheels, said platform assembly being characterized in that it is formed by a metallic frame made of metal sections, lying on two longitudinal members which themselves bear on said longitudinal members of said carrying chassis; a water tank is fixed under said platform assembly, between the longitudinal members of said platform assembly, said tank extending longitudinally on nearly all the length of the platform assembly and clearly forwards with respect at least to the sole front transverse member of the carrying chassis, and in that said tank is stepped—shaped along its length, comprising a first part above and forwardly with respect to the transverse member of the carrying chassis, a second part rearwardly with respect to said transverse member and in a position forwardly with respect to the rear axle, and a third part entirely rearwards with respect to the rear axle, third part of said tank being deeper than that of second part and the second part being deeper than the first part.

(Compl. Specn. 8 pages, Drag. 5 sheets).

CLASS 160A. 151838.

Int. Cl. B 62 d 21/00.

MOTOR VEHICLE CHASSIS.

Applicants : SOCIÉTÉ DITE : A.C.M.A.T. ATELIERS DE CONSTRUCTIONS MECANQUES DE L'ATLANTIQUE, OF LE POINT DU JOUR—44600 SAINT NAZAIRE—FRANCE.

Inventor : MR. LEGUEU RENE.

Application No. 499/Cal/79 filed May 14, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

14 Claims.

A chassis for a motor vehicle, in particular airborne compact vehicle, comprising a rigid carrier frame consisting of two longitudinal members and a plurality of transverse members connecting the longitudinal members together, and spring carriers mounted on the longitudinal members for mounting suspension springs characterised in that the longitudinal members are cranked at a position at the rear of the front suspension mounting, whereby said longitudinal members are each divided into two parts of different level, said cranked position defining the transition zone, the part in front of said transition zone being at a level higher than the part of the rear thereof.

(Compl. Specn. 11 Pages. Drg. 3 sheets.)

CLASS 107G. 151839.

Int. Cl. F 02 f 3/00.

PISTON FOR INTERNAL COMBUSTION ENGINES.

Applicants : MASCHINENFABRIK AUGSBURG-NURNBERG AKTIEGESELLSCHAFT, OF KATZWANGER STRASSE 101, D-8500 NURNBERG, FEDERAL REPUBLIC OF GERMANY.

Inventor : DIPL.-ING. FRIEDRICH BAUER.

Application No. 670/Cal/79 filed June 30, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

A piston for an internal combustion engine, comprising an uppermost ring groove an oil control groove therebelow and separated therefrom by a land and opening only towards the outer surface of the piston, wherein the land when viewed

in cross section is formed substantially as a beam of constant bending stress, but has at its radially-outer end a finite depth to facilitate production, the radially inner confine of the oil control groove being formed with a curved portion to hinder stress concentration.

(Compl. Specn. 9 Pages. Drg. 1 sheet).

CLASS : 139A. 151840

Int. Cl. : C 09 c 1/44.

METHOD AND APPARATUS FOR PRODUCING CARBON BLACK.

Applicants : CONTINENTAL CARBON COMPANY OF 4120 SOUTHWEST FREEWAY, HOUSTON, TEXAS, 77027, U.S.A.

Inventor : KIYOSHI OSAWA, NOBUO MIYAJIMA, MINORU TAKAGI, AND HISAO GENJIMA.

Application No. 1031/Cal/79 filed October 4, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims.

In a reactor for producing carbon black comprising a cylindrical outer shell and a cylindrical inner shell defining an annulus for passage of preheated air into said reactor, the improvement comprising: a disc having a central orifice therethrough for dividing the flow of preheated air into two portions; a fuel burner affixed to the front surface of said disc; said burner having a plurality of fuel injection holes arranged along the inner circumference of said burner; both the disc and the burner being disposed in a space between the front closure of the cylindrical outer shell and the front edge of cylindrical inner shell; said disc having a large central hole through which a mixture of preheated air and fuel flows around a feedstock injection pipe inserted there-through; said disc being equipped with a short guiding cylinder in the rear surface thereof in order to flow part of the preheated air along the inner wall of the cylindrical inner shell.

(Comp. Specn. 24 Pages. Drg. 1 sheet).

CLASS : 172E. 151841

Int. Cl. : B 65 h 59/00.

IMPROVEMENTS IN OR RELATING TO SPOOLING MACHINES.

Applicants : SCHWEITER ENGINEERING WORKS LIMITED, OF HORGEN, SWITZERLAND.

Inventor : ERWIN LEU.

Application No. 242/Cal/80 filed March 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

8 Claims.

In a spooling machine in which yarn or thread is spooled from a payout spool to a takeup package having

means sensing thread size and providing an "off-size" signal if the thread size is outside of predetermined limits,

a thread cutting apparatus which comprises cut-off knife and counter anvil towards which the knife moves during cutting, said cutter apparatus being positioned in the path of the thread from the payout spool to the takeup package and responsive to the "off-size" signal to sever the thread when the "off-size" signal is sensed, and comprising means to prevent cutting of the thread upon failure of thread tension comprising,

a groove formed in the anvil and positioned to permit the cutter knife to penetrate therein, said groove having a depth which is deeper than the distance of movement of the cutter blade when responding to an "off-size" signal and having a width which is wider than the thickness of the cutter blade to permit movement of the cutter blade into the groove, with slack thread, without severing the thread.

(Comp. Specn. 14 Pages. Drg. 1 sheet).

CLASS : 69A & Q.

151842

Int. Cl. : H 01 h 1/00, H 01 q 1/08.

AN ELECTRICAL CONTROL DEVICE.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222. UNITED STATES OF AMERICA.

Inventors : PAUL THOMAS ANDERSON.

Application No. 337/Ca/80 filed March 22, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

10 Claims.

An electrical control device comprising a housing, at least a pair of spaced terminals on the housing, one of which terminals includes a stationary contact located within the housing; a movable contact member connected to the other terminal and extending therefrom so as to be movable into closed contact and open contact relationship with respect to the stationary contact a slide which is movable within the housing between a latched position and a released position, has thereon latch means for latching the slide in the latched position thereof, is spring-biased toward said released position, and includes contact operating means cooperable with the movable contact member to effect movement thereof from a normal position to an actuated position when the slide moves from the latched position to the released position thereof; reset means manually operable to restore the slide from the released position to the latched position and thereby permit return of the movable contact member to its normal position; at least one pole unit including a bimetal element which deflects upon a flow of overcurrent in the pole unit; and means associated with the latch means for effecting unlatching of the slide upon deflection of the bimetal element to a predetermined extent.

(Comp. Specn. 11 Pages. Drg. 5 sheets).

CLASS : 32F₁, F₂ a & 55D₂.

151843

Int. Cl. : A 01 n 9/00; C 07 c 15/14, 43/00, 79/00.

A PROCESS FOR THE PREPARATION OF DIPHENYL ETHER COMPOUNDS.

Applicants : MITSUI TOATSU CHEMICALS, INC., OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : TAKEO YOSHIMOTO, AKIRA HOSONO, JOH MIKI, KENGO ODA, MASAOKI URA, NAOKI SATO, TERUHIKO TOYAMA, HAJIME TACHIBANA, YUJI ENOMOTO, YASUNOBU FUNAKOSHI, TAKASHI FUJITA AND YOSHIKATA HOJO.

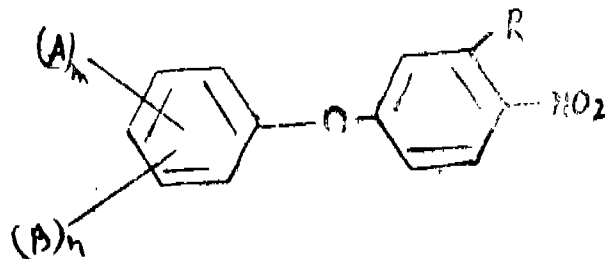
Application No. 497/Ca/80 filed April 29, 1980.

Convention date November 5, 1979. (38270/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.
2—197GI/83

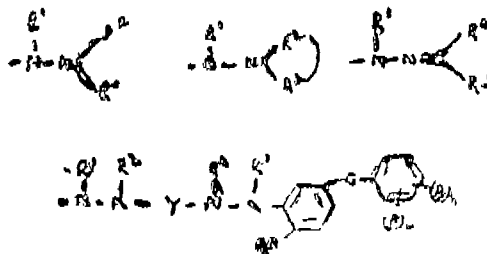
2 Claims

A process for the preparation of diphenyl ethers having the general formula I shown in the accompanying drawings,



wherein

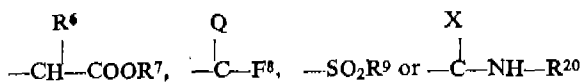
- (1) A and B each stand for a halogen atom, methyl or trifluoro-methyl group,
- (2) m and n each stand for an integer of 0-3, and m+n=0-3; and
- (3) R stands for a group shown in any of Figs. 1-4 of the drawings.



wherein

(a) R¹ represents hydrogen atom, an alkyl group, a lower alkenyl group, an alkynyl group, an unsubstituted phenyl group, a substituted phenyl group, an alkoxy-carbonyl group, an unsubstituted phenoxycarbonyl group, a substituted phenoxycarbonyl group, an alkylcarbamoyl group, an alkyl-(thiocarbamoyl) group, an unsubstituted benzoyl group, a substituted benzoyl group, an unsubstituted acyl group or a halogen-substituted acyl group;

(b) R² and R³ each represent hydrogen atom, an alkyl group, a lower alkenyl group, a cycloalkyl group, an unsubstituted phenyl group, an 0,0-dialkylthiophosphoryl groups,



wherein

(i) R⁶ and R⁷ each represent hydrogen atom or a lower alkyl group,

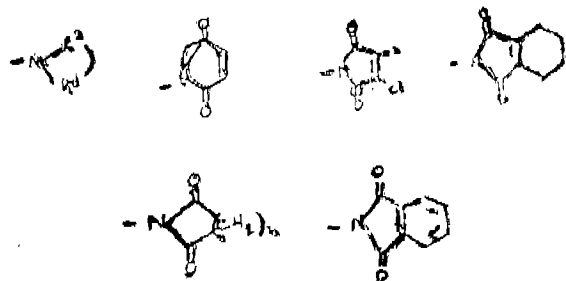
(ii) R⁸ represents hydrogen atom, an alkyl group, a lower alkenyl group, unsubstituted phenyl group, a substituted phenyl group, benzyl group, a halogen-substituted lower alkyl group, a substituted-phenoxy, substituted lower alkyl group, an unsubstituted-phenoxy, substituted lower alkyl group, a lower alkoxy-substituted lower alkyl group, a carboxy-substituted alkyl group, a lower alkoxy-carbonyl group, an alkoxy-carbonyl-substituted alkyl group, a carboxy-substituted lower alkenyl group, an alkoxy-carbonyl-substituted lower alkenyl group, acetyl group, an alkylthio group, phenoxy group or a lower alkoxy group;

(iii) R⁹ represents a lower alkyl group, unsubstituted phenyl group, a substituted phenyl group, or an alkylamino group;

(iv) X represents oxygen atom or sulfur atom;

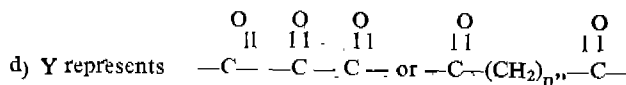
(v) R¹⁰ represents hydrogen atom, an alkyl group, a lower alkenyl group, a cycloalkyl group, unsubstituted phenyl group or a substituted phenyl group; and

(vi) Fig. 5 represents a group shown in any one of Figs. 6 to 10 of the drawings.



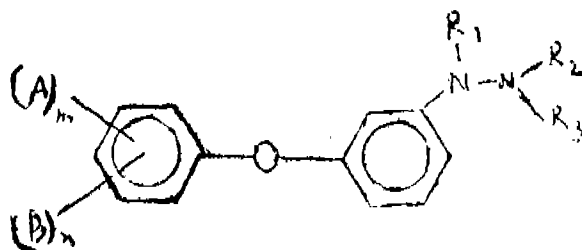
wherein n' represents an integer of 2 to 5;

(c) R⁴ and R⁵ each represents hydrogen atom, a halogen atom, an alkyl group, a lower alkenyl group, unsubstituted phenyl group, a styryl group, a lower alkoxy group, a halogen-substituted lower alkyl group, a hydroxy-substituted lower alkyl group, a cyano-substituted lower alkyl group, a carboxy-substituted lower alkyl group, a lower alkoxy-carbonyl-substituted lower alkyl group, a lower alkylthio group, a furyl group or R⁴ and R⁵ together from an alkylene group; and

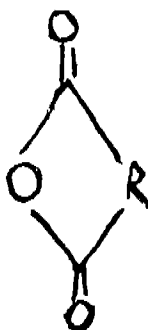


wherein n'' represents an integer of 1-4,

which comprises reacting in a known manner diphenyl ether compounds of the general formula I' shown in the drawings



wherein A, B, m and n are as defined above and R₁, R₂ and R₃ represent hydrogen atom, an alkyl group of 1-4 carbon atoms with a compound shown in Fig. 57 of the drawings



wherein R is as defined above.

(Comp. Specn. 103 pages. Drg. 8 sheets).

CLASS : 172D.

151844

Int. Cl. : J 01 h 1/00.

IMPROVEMENT IN OR MODIFICATION OF THE FLYER FOR YARN OR THREAD WINDING MACHINES.

Applicants : C. EUGEN MAIER METALLVERARBEITUNG GMBH., OF FRIEDRICHSTR. 41, D-7013 FELLBACH, FEDERAL REPUBLIC OF GERMANY.

Inventor : MR. KURT GALLINA.

Application No. 523/Cal/80 filed May 5, 1980.

Addition to No. 879/Cal/1977.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

5 Claims.

Improvement in or modification of the flyer proposed in Patent No. 148195 characterised in that the bearing support is extended above the head of the flyer and is anchored at its lower end in the head of the flyer and the thread carrying steel pipe extends through the said bearing support through an opening therein such that its free or upper end is at the tip end of the said bearing support.

(Comp. Specn. 8 pages. Drg. 1 sheet).

CLASS : 32F₃ & 55D₂.

151845

Int. Cl. : A 01 n 9/00; C 07 c 101/42.

AN IMPROVED PROCESS FOR THE PREPARATION OF N-PHOSPHONOMETHYL GLYCINE.

Applicants : NITROKEMIA IPARTELEPEK, OF FUZFÖGYARTELEP, 8184, HUNGARY.

Inventors : ANTAL GAAL, JOZSEF FARKAS, SANDOR HORVATH, SANDOR BALINI, ZOLTAN KOLONICS, DR. LASZLO SOLTESZ, LAJOS LORINCZ, DR. PETER HAJDU, DR. LASZLO BOTAR, DR. ISTVAN NEMES, DR. AGNES GEDRA, LASZLO SUMEGI, DR. TAMAS VIDROCZY, DR. JULIA LIKACS, DR. DEZSO GAL, AND DR. AGNES KESZLER.

Application No. 525/Cal/80 filed May 6, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

8 Claims. No drawings.

An improved process for the preparation of N-phosphonomethyl-glycine by oxydating N-phosphonomethyl imino diacetic acid with oxygen or a gas containing oxygen in the presence of a catalyst, the improvement comprises oxydating N-phosphonomethyl imino diacetic acid in an aqueous suspension.

(Comp. Specn. 17 pages. Drg. Nil).

CLASS : 64B₁.

151846

Int. Cl. : H 01 r 7/00.

CABLE CONNECTOR.

Applicants : SIEMENS AKTIENGESellschaft, OF BERLIN AND BERLIN AND MUNICH WEST GERMANY.

Inventors : LOTHAR GOEHLICH and JURGEN HAUG.

Application No. 1024/Cal/80 filed September 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

17 Claims.

A connect or for plastic insulated, shielded electric cables, especially medium and high voltage cables, comprising an elastic prefabricated insulated body having an outer tubular metallic housing and a hole extending along the axis of the insulating body for receiving at least one end of an electric cable, the improvement comprising, the outer housing being made of sheet metal and having at least one slot therein extending substantially axially or obliquely of the axis of said housing.

(Comp. Specn. 13 pages. Drg. 3 sheets).

OPPOSITION TO THE APPLICATION FOR
COMPULSORY LICENCE UNDER SECTION 92

Notice of opposition has been filed by the Patentee, The Gillette Company on the application for Compulsory licence under Section 84 of the Patents Act, 1970 on patents Nos. 134949, 134950, 134951, 136137 & 136138 filing of which was notified in the Gazette of India, Part III, Section 2 dated the 8th January 1983.

PATENTS SEALED

OPPOSITION PROCEEDINGS

The opposition entered by the Concord Lighting (India) Pvt. Ltd., to the grant of a patent on application No. 136515 made by Philips India Ltd., has been allowed and the grant of a patent on the application refused.

149564 150105 150227 150236 150254 150321 150331 150383
150510 150638 150678 150709 150744 150747 150748 150749
150750 150754 150755 150756 150757 150770 150771 150776
150778 150780

COMMERCIAL WORKING OF PATENTED INVENTION

MECHANICAL AND GENERAL ENGINEERING LIST—VI

The following Patents in the field of Mechanical and General Engineering Industry are not being commercially worked in Indian as admitted by the Patentees in the statements filled by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1981, generally on account of want of requests for Licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and Address of Patentees	Title of the invention
1	2	3	4	5
1	145049	13-10-77	Tsurumi Soda Co. Ltd. of 7, Suchirovho-1 Chome, Tsurumi-ko, Yokohama-smi kana-yausa Kca, Japan.	Apparatus for expanding destroying and softening structure of animals and vegetable fibrous materials.
2	145059	11-5-76	Kraft Werke Union, 433 Mulheim (Ruhr) Weesenstr 35, F.R.G.	A steam generator for operation with pulverised coal and gas.
3	145065	30-8-74	O & K Orensten & Koppel, of Einsiedelstrasse 6, Lubeck, Federal Republic of Germany.	Double fit crane.
4	145079	3-10-75	Siemens of Berlin & Munich, West Germany.	An electrically conductive sealing element.
5	145125	19-3-77	Council of Scientific & Industrial Research, Rafi Marg,, New Delhi India,	Three speeds for vehicles such as bicycles.
6	145128	5-11-75	Proceq SA., of Riesbachstrasse 57/59, Zurich Switzerland.	Apparatus for testing the hardness of materials.
7	145134	9-8-76	Council of Scientific and Industrial Research Rafi Marg, New Delhi 110012, India.	Continuous drive friction welding machine.
8	145136	22-1-76	G. D. Societa Per Azioni, of Via Pomponia 10, Bologna, Italy.	Improvements in an apparatus for producing the so called inner elements or elements or collas in cigarettes packaging machines for forming stiff packets of cigarettes of hinged lid type.
9	145168	18-1-77	Johnson & Johnson at 501, George Street New Brunswick, New Jersey, U.S.A.	A stabilised flavoured tooth clearing article.
10	145171	1-6-77	D. Swaroushi & Co., of Glasschleiferei, KG, A-6112 Wattens/Tirel, Osterreich.	Glass mirror mat and method for its production.
11	145208	26-11-75	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, U.S.A.	Electro mechanical apparatus for securing and winding conductors of a turbine generator.
12	145230	29-9-77	Shell Internationale Research Maatschappij B. V., of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process and the reactor for the partial continuation of pulverised coal.
13	145263	20-11-75	Siemens Aktiengesellschaft, Berlin and Munich, West Germany.	A device for the intermittent rotation of machine shaft.

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14	145264	31-1-76	Grasso's Koninklijke Machinefabrieken N. V. of Parallelweg 27, 's-Hertogenbosch, the Netherlands.	Rorary displacement compressor with capacity control.
15	145274	12-13-76	The smidth & Co. 77, Vigerslev Alle, DK-2500 Valby, Copenhagen, Denmark.	Improvements relating to ventilated tube mills and method of gridding cement clinker in said mill.
16	145289	5-8-76	Saint-Gobain Industries of 62, Boulevard —Victor Hugo, Newilly Sur-Seine Franc.	Process and apparatus for converting a drowable material into fibres and fibres manufactured thereby.
17	145305	21-1-76	Bureau Bbr Ltd., Riesbachstrasse 57, Zurich, Switzerland.	Upset head at a high strength tension wire and method for the production thereof.
18	145310	23-8-76	Combustion Engineering/NC of 1000 prospect Hill Road, Windsor Connecticut, U.S. A.	A pulverizing mill
19	145327	30-5-75	Aluminium Pechlney, 28, rue de Bonnel-69003 Lyon Frano.	Apparatus for continuously determining the internal resistance of an electrolysis cell.
20	145333	9-7-76	Council of Scientific and Industrial Research Rafi Marg, New Delhi, India.	An a stand for striking an arc between two electrodes for photographing the spectra of elements with spectrographs.
21	145337	4-3-77	Combustion Engineering Inc. of 1000 Prospect Hill Road, Windsor connecticut, U. S.A.	A shop assembled boiler.
22	145353	3-2-76	Jan Edvard Persson, of Henriksdalsringen 17V, S-13100 Nacha Sweden.	Pump intended for pumping a liquid medium.
23	145354	10-3-76	Single Buoy Moorings, Inc., at Fritbourg, 12, Rue Abbebovet, Switzerland.	Floating structure.
24	145376	28-10-76	The Babcock and Wilcox Co. of 161 42nd street, New York, New York 10017, U.S.A.	Disposes for gas entrained particles in to a fluid.
25	145388	29-6-76	Googovens Ijmuiden B. V., of Wenkeba-chstraat, Ijmuiden, the Netherlands.	Electrically driven apparatus for operating a railway point and a railway point incorporating such apratus.
26	145404	22-11-76	British Steel Corp. of 33, Grosrenor Place, London, SW-1, England.	Method and apparatus for manufacturing metal strip.
27	145405	22-11-76	British Steel Corp. of 33 Grosvenro place London S. W. 1 England.	Method and apparatus for manufacturing metal strip obtained therefore.
28	145418	26-7-76	Nitto Boseki Company Limited, of 1 Aza higashi, Gonome, Fukushima-shi, Japan.	Control system for controlling the drawing of glass fibres in the event fibre break out.
29	145432	23 -2-77	Musba Mohamed Ansar, of 73 Angappa Naicken Street, Madras-600 001, Tamil Nadu, India.	Improvements in or relating to disposable filter proof bags and container.
30	145433	23-2-77	Do.	Do.
31	145535	15-5-76	Deane Hilisman, of 870 El Chorro way, Sacramento, California-95825, U. S. A.	An apparatus for measuring respiratory air flow of a patient and displaying in together with an optimised respiratory air flow.
32	145567	15-3-77	ACI Technical Centre Pty. Ltd., of 813 Dowling Street, Waterloo, New South Wales, Australia.	Method of producing reinforced clay based articles and the articles produced thereby.
33	145582	18-12-75	Mahle GmbH of 26—46 Pragstrasse Stuttgart Fernary (West)	Reinforcing for piston ring grooves of pistons.

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34	145610	26-7-77	Musba Mohamed Ansar, of 73 Angappa Naicken Street, Madras 600 001, Tamil Nadu, India.	Improvements in or relating to disposable pilfer proof bags or container.
35	145616	4-8-77	Nitto Boseki Co., Ltd., No. 1., Gonome-Higashi, Fukushima-shi, Fukushima, Japan.	Method and apparatus for manufacturing glass fibers using deflectable air container.
36	145632	25-1-77	Combustion Engg. Inc. of 1000 Prospect Hill Road, Windsor Connecticut, U. S. A.	A gas scrubber plant.
37	145638	15-9-76	Dresser Industries Inc., of Republic National Bank Building, P. O. Box 718, Dallas Texas 75221, U. S. A.	Improved shaft support means.
38	145639	12-11-76	F. L. Smidht & Co. A/S., of 77, Vigerslev Alle, DK-2500 Copenhagen Valby, Denmark.	Tube mill.
39	145644	20-6-75	Burroughs Corporation of Burroughs place Detroit, Michigan, 48232, U.S.A.	Apparatus for controlling the position of a carries means.
40	145654	3-9-77	Harbanslal Malahotra & sons, Ltd., of 226/2 Acharya Jagadish Chandra Bose Road Calcutta 700 020 West Bengal, India.	Safety Razor.
41	145684	15-7-76	Spie-Batingolles, of Tour Anjou, 33 Quai National Puteaux-Hauts-de-Seine, France.	A device for protecting a structure against effect high horized dynamic stresses.
42	145689	7-3-77	American Can Company, a New Jersey Corporation of American Lane, Greenwich Connecticut-06830, U.S.A.	Method of manufacturing a coated metal container and container so produced.
43	145693	22-6-77	Automotive Products Limited, Tachbrook Road, Lemington Spa, Warwickshire CV31 3ER, England.	Circular friction facing and method of manufacturing the same.
44	145700	10-8-76	Monovis B. V., of Keizersgracht 253, Amsterdam, The Netherlands.	Fluid working machine having a rotatable screw.
45	145702	4-10-76	F. L. Smidht & Co. A/S., of 77 Vigerslev Alle, DK, 2500 Vally Copenhagen Denmark.	Kiln Plant.
46	145711	11-5-76	Kraft Werke Union of 433 Mulheim (Ruhr) Wiesensstre 35, F. R. G.	A steam generator for operator with coal firing.
47	145724	25-10-76	R. A. Lister & Company Limited, of Long Street, Dursley, Gloucestershire, GL11 4 RS, England.	A liquid sealing device.
48	145744	8-10-75	McNeil Corporation, of 96 East Crosur Street, Akrou Summit, Country Ohio 44311, U.S.A.	Tire curing press centre mechanism.
49	145753	8-11-76	F. L. Smidht & Co. A/S, of 77 Vigerslev Alle, DK-2500 Copenhagen Valby, Denmark.	A rotary kiln with an integral planetary cooler.
50	145754	7-1-77	Hoechst Aktiengesellschaft, of D 6230 Frankfurt/Main 80, Federal Republic of Germany.	Degasification column.
51	145757	30-8-74	O&K Oronsten & Kopper AG. of Einsiedelstrasse, 6, Lubeck, F. R. G.	Double jib crane.
52	145761	7-12-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	A smoke meter for measurement of smoke density of exhaust gases of diesel vehicles.
53	145780	14-1-77	Gustav Schage Maschinenfabrik GMBH & Co., of D-4600 Dortmund A. M. Rothenpltz Chen 126, F. R. G.	Apparatus for removing bulk material from a dump or stock pile.

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54	145801	5-2-77	Societe Des Establishments Hugonnet, D. Roosevelt, 19 Avenue Franklin, 75008 Paris, France.	Cistern container assembly.
55	145808	2-2-78	Shrihari Nagesh Lale, 20/2, Kali Lane City of Calucetta, State of West Bengal, India.	A hydraulic cushioning apparatus for an automatic pneumatic plough or scraper.
56	145816	2-2-78	Do.	Improvement in or relating to a pneumatic plough or scraper.
57	145825	22-5-76	Lacrex Brevetti SA of Via G Motta, CH 6644 Minusio, Switzerland.	Manually operated adjustable/slidable universal wrench.
58	145826	23-4-77	K. Singh, A. Singh & Others of Post office Lahoal Work 8 Works Distt. Dibrugarh Assam, India.	Device for driving roollers on tea crushing rearing and curling (C.T.C.) machines.
59	145830	21-5-76	Single Buoy Moorings, INC., of Switzerland, Fribourh, 12, Abbebovet, Switzerland.	Snigle point mooringbuoy.
60	1455831	14-2-77	Hasbro Industries Inc., of 1027 Newport Avenue, Pawtucket, Rhode Island, U.S.A.	Apparatus for trimming an extrudate.
61	145841	19-11-75	United Kingdom Atomic Energy Authority, of 11 Charles 11 Street, London, S. W. 1, England.	Improvements in or relating to stirling cyclic heat engines.
62	145844	4-11-76	Colin Douglas West, of Aughten Faringdon Road, East, Challow, Wantage, Oxfordshire, England.	Improvements in or relating to stirling cyclic engines.
63	145852	7-4-77	Do.	Improvements in or relating to stirling cyclic heat engines.
64	145853	7-4-77	Ram Bachan Pandey, of 14 West Drive, Aldfield Estate, Harwell, Didest, Oxfordshire, England.	Improvements in or relating to cyclic engines.
65	145859	22-9-75	Greer Hydraulics INC., of 5930W. Jefferson Blvd., Los Angeles, California 90016, U.S.A.	Fressure vessels.
66	145865	22-12-76	Jean-Yves K-Gall of 26 of Rue de L'eglise, 92200 Newilly sur seine, France.	Wate proof covering and process for manufacturing the same.
67	145879	10-8-76	Soilsery, Incorporated, of 1427 Abbott Street, Salinas, California, State of California 93901, U.S.A.	Improved closed mixing system for tending agricultural sprayers.
68	145889	2-8-76	Combustion Engineering Inc., of 1000 prospect Hill Road, Windsor Connecticut, U.S.A.	A main burner oil gun in which hard to ignite liquid fuels can be burned.
69	145894	6-2-76	OY E. Sarlin AB, of Finland.	Centrifugal pump
70	145933	24-6-74	The Director Central Water and Power Research station, P. O. Readakwala Research station, Poona, India	A device for use with an instrument for measuring the rate of how of a liquid.
71	145944	21-6-77	Johnson & Johnson of 501 George Street, Street, New Brunswick, New Jersey, U.S.A.	Heticular web.
72	145946	24-4-76	OY E. Sarlin AB, of Kalroksela, Finland.	Pump white for immersion in a liquid.
73	145949	3-12-76	Klein Schanzlin & Becker AG of 6710 Frankenthal (Pfalz) Posttach 225 Johann-killin Strabe 9, Federal Republic of Germany.	A device for reducing the cavitation wear of a rotary pump.
74	145969	3-4-76	Do.	Drying device for electric motors of explosion proof type.
75	145981	7-1-77	Do.	Hydrostatic shaft sealing.

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76	145982	21-1-77	Personal Products Co. A milltonon, New Jersey, U.S.A.	A protective absorbent liner for mather garments.
77	145984	28-2-77	Johns Manville Corporation, of 22 East, 40th street, New York, state of New York, U.S.A.	Thermal insulating duct liner.
78	145986	19-3-77	Palitex Project-Company GMBH, of post-fach 2228, 4150 Krefeld, West Germany.	Two for one twisting spindles.
79	145993	4-8-77	Nitto Boseki Co., Ltd., No. 1, Gonome-Higashi, Fukushima-shi, Fukushima, Japan.	Method and apparatus for draw forming glass fibres.
80	146014	11-2-76	Gould Inc. of 10, Gould Centre Rolling Meadows, Illinois 60008, U.S.A.	Explosion proof gang vent for closing the cell opening of a storage battery.
81	146060	26-9-77	RCA Corporation, 30 Rockefeller Plaza, New York, New York, 10020, U.S.A.	Apparatus and method for chemical vapour deposition.
82	146077	2-5-77	OY E. Sarlin AB, of Vantaa, Finland.	Seal.
83	146089	2-11-77	Tanajirao Hirajirao Shindhe of Shri Yogeshwar Foundries, Industrial Estate, Gokul Road, Hubli, Karnataka State, India.	An impeller arrangement for use in a turbine pump.
84	146099	5-10-76	The Babacock & Wilcox Co. of 161 East 42nd Street, New York, New York-10017, U.S.A.	Distributor.
85	146107	20-8-76	Parks Cramer Co. of Suthers Street Oldnam, England.	Method and apparatus for pneumatically remaining fiber and trash waste on open end spinning machine.
86	146134	18-9-76	Maschinenfabrik Reinhausen Gebruder Scheubeck KG., of 8 Falkensteinstrasse, 84 Regensburg, Federal Republic of Germany.	Drive transmission for the drive of an onload tap Charger for a tapped transformer.
87	146140	4-6-76	Fuji-Toyuki Co. Ltd., of 1217 Hayashik-cho, Takamatsu-shi, Kagawa-ken, Japan.	Oil lubricating device.
88	146160	15-3-77	DR. C. Otto & Comp. GMBH, of Christstrasse 9, Postfach 1849/1850, 463 Bochum, West Germany.	Apparatus for cleaning the doors of coking oven.
89	146161	27-4-77	James Kemp & Co. Pty. Ltd. of Greek Road, Gurrumbian, Queensland 4223, Australia.	Drilling holes in pressurized pipes.
90	146172	12-11-76	Patpan Inc., Panama (Panama).	Apparatus for vacuum dying flat pieces.
91	146204	2-2-76	Gebruder Ahle, of 5251 Karlstahl West Germany.	A round wire helical compression spring particularly for use in motor vehicles.
92	146206	8-10-76	Voest-Alpine Aktiengesellschaft of 1011, Vienna, Friadrichstrasse 4, Austria.	Bit holders and method of manufacture of the same.
93	146209	16-8-76	Chicago Pneumatic Tool Co. of 6 East 44th Street, New York, New York, U.S.A.	Pneumatic nut runner having a directional valve and an air regulator.
94	146212	3-6-77	Hoechst Aktiengesellschaft, of D 6230 Frankfurt/Main 80, Federal Republic of Germany.	A process for preparing stabilized red phosphorous.
95	146229	25-4-77	J. F. Werz Jr. of Pressholzwerk, 7141 oner-stenfeld B. Stuntgart, F.R.G.	Process and device for production of a mat from non-flowable moulding preparation for pressed articles.
96	146253	1-9-76	Fried Krupp GMBH of 103 Altendorfer, Strasse D-4300 Essen, F.R.G.	A box girder in particular for a dismantable bridge compared of interlocking units.
97	146256	8-6-77	We Mihir K. Roy & others, painter Bazar North Tripura, Kailshahan, India.	An internal combustion engine.
98	146295	10-11-76	Gould Inc. of 10 gould centre Rolling meadows, Illinois 60008, U.S.A.	Battery cover for facilitating the drawing of liquid from the battery when inverted.

1	2	3	4	5
99	146310	30-8-76	Single Buoy Moorings Inc., of 12 Rue Abbe Bovet, Fribourg, Switzerland.	A single point mooring buoy.
100	146354	1-9-76	AB Calator, of Box 137, Ulricehamnsvagen 36, Boras, Sweden.	Apparatus for folding and passing in particular for shirts.
101	146363	30-9-77	Tesa S. A., of Rue Bugnon 38, 1020 Renene, Switzerland.	Improvements to micrometers for interior or internal measurements.
102	146366	29-1-77	Paul Martin L'Esperance, of Box 482, Oakwood Lane Vailey Forge, Pennsylvania 19481, U.S.A.	Solar energy collector system.
103	146381	9-3-76	Instytut Obrobki Plastycznej, of Zamenhofa Street 2/4, 61-120 Poznan 22, Poland.	Method and apparatus for forging single crank throws of semi built up crank shafts.
104	146388	7-3-77	G. D. Societa per Azioni, of Via Pomponia 10-Bologna, Italy.	Device for guiding and holding cigarettes batches in apparatus for transferring said batches from a conveyor upto a machine for packing cigarettes into a machine for packing cigarettes into hinged lid type packets.
105	146389	26-3-77	Do.	Storage unit for compensating production unbalances between cigarettes manufacturing machines and a packeting machines in a directly fed type plant for working cigarette packets.
106	146390	5-4-77	Devlieg Machine Co. of Fair street, Royal oak Michigan, 40068, U. S. A.	Self retracing tool.
107	146403	23-12-77	American cyanamide Company, of Wayne, New Jersey, U. S. A.	A direct dispensing surgical suture labile.
108	146415	13-12-76	Societe D' Etudes De Machines Thermiques-S. E. M.T., of Quai de Seine, 93202 Saint Denis, France.	Improvements in or relating to a fluid tight pipe coupling arrangements.
109	146416	7-3-77	G. D. Societa per Azioni, of Via Pomponia, 10-Bologna, Italy.	Apparatus for forming groups made up by a plurality of side by side positioned piles of parallelpipidar shaped articles.
110	146419	17-6-77	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India.	Magnetic particle clutch.
111	146438	24-12-76	DRG (U. K.) Limited, of 1 Rodcliffe Street Bristol, England.	A method of assembling a printing roll comprising a printing sleeve and a role Core and a detectable sleeve printing roll so obtained.
112	146439	22-6-77	Do.	A method of producing a printing roll and the roll so produced.
113	146445	31-3-78	Kraftwerk Union Aktiengesellschaft, 4330 Mueheim (Ruhr) Wiesenstr. 35, Federal Republic of Germany.	Screening member for separating solids from gaseous media.
114	146489	14-1-77	G. Wolff Etc. of No. 877 Huttinger Strasse, 467, Bochum-Linden-Federal Republic of Germany.	Closure for horizanated coke oven chamber.
115	146509	25-9-76	Klen Schanzun & Becker AG of 6710 Frankenthal (Pfaiz) Posttach 225, Johann Klein Strasse, 9, Federal Republic of Germany.	A flexible elastic coupling paint.
116	146514	27-10-76	Sperry Rand Corporation, of Croks and Maple Roads, Troy, State of Michigan 48084, U. S. A.	Sliding vane rotary pumps.

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117	146515	25-11-76	United Technologies 1, Financial Plaza, Hartford, Connecticut-06101, U.S.A.	Turbine type power plant having an engine case and a rotor rotatably supported therein.
118	146529	16-8-77	Gopi Khishen Kabra of 201 Meghdoot Nehru place New Delhi, 110024, India.	A dispensing unit.
119	146563	13-1-77	The Babcock & Wilcox Co. of 161 42nd Street, New York, New York 10017 U. S. A.	Load all arrangement.
120	146568	14-1-77	G. Wolff Etc. of No. 871 Hattinger Strasse, 463, Bochum, Linden, F. R. G.	Closure for a horizontal coke oven chamber.
121	146585	9-9-77	Scooters India Ltd. of Post Box No. 1 Sarojini Nagar, P. O. Lucknow, 226008, India.	A power driven two wheeler vehicle.
122	146611	17-3-77	The Steelastic Co. of 1557, Apocco Tyres Ltd., Industrial Park way, Akron-ohio-44310, U.S.A.	Apparatus for making reinforced elastic fabric.
123	146637	20-12-76	Siemens Aktiengesellschaft, a Company of Berlin and Munich, West Germany.	Retuations for operating control devices.
124	146638	12-1-77	Westinghouse Brake and Signal Company Limited, of John Street, London WC1N England.	Vehicle braking control apparatus.
125	146643	9-11-77	Yarway Corporation, at Morris-Town Road, and Narcissa Road, Blue Bell, Pennsylvania 19422 U. S. A.	Atterperator.
126	146647	24-9-76	Mr Velauthar Kopalapillai Thillainayagam of 74, Forlease Road, Maidenhead, Beres, England.	Key boards apparatus eg for type writing setting data handling and similar machine.
127	146683	22-3-77	Dyckerhoff & Widmann AG of sappero-bogan 68000 Muclen 40, F. R. G.	Apparatus for the production of finished prestressed concrete members.
128	146688	11-3-76	Westinghouse Brake and Signal Company Ltd., of John Street, London WC1N 2 ES, England.	Brake pipe pressure gradient reaction value apparatus for use in a railway air braking system.
129	146708	31-8-77	Atlantic Richfield Co., of Arco plaza 515, S Flower street, Los Angele California, U.S.A.	A rapid fire rapid cycle gas exploder.
130	146711	1-6-76	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in and relating to brake assemblies.
131	146712	1-6-76	Do.	Improvements in and relating to brake assemblies.
132	146713	1-6-76	Girling Ltd., of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in or relating to brake.
133	146714	1-6-76	Do.	Improvements in or relating to disc brakes.
134	146756	22-10-77	Council of Scientific & Industrial Research Rafi Marg, New Delhi, India	An insulated stove.
135	146794	21-1-77	Personal Products Co. of Milltonon, New Jersey, U. S. A.	Non planar arcuate shaped absorbent liner such as sanitary napkins and panty shield.
136	146812	22-9-76	Foraco Forage Rationell Construction S. A., of 24 Avenue George V, 75008 Paris, France.	Improvements in or relating to a tubular for a drilling crown.
137	146813	22-9-76	Do	Improvements in or relating to recovery apparatus for the collection from a gas stream of cutting Resulting from a drilling or core extraction operation.

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138	146820	19-11-76	Hindustan Lever Limited at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay 400 020.	Tooth brush.
139	146828	3-1-77	Brig R. L. Jetley (RETD), Office incharge, Development team, Ipin carriage factory, Jabalpur, India.	Sight unit for use with a gun or rifle.
140	146835	21-2-77	Beloit Corporation, Beloit, Disconsin, 53511, u. s. a.	Device for and method of temporarily sealing and supporting shafts.
141	146855	15-1-77	Societe D'Etudes De Machines Thermiques, S. E. M. T., of Quai de Seine, 93202 Saint Denis, France.	Improvements in or relating to a device for obviating risk of injection fuel leakage more particularly into the cooling system of diesel engine injectors.
142	146869	16-10-76	Do.	Improvements in a mushroom type valve cooled by cooling fluid circulation.
143	146871	15-12-77	Societe Pour Le Development Et L'Exploitation Du Palmier A Huile, of Boite Postale 2049, Abidjan, Ivory Coast and Berlin and Cie, of Boite Postale No. 3, 78370 Plaisir, France.	Apparatus for separation of inner kernel from the shell of fruits.
144	146882	22-12-76	Contraves A. G., of Schaffhauser-strasse 580, 8052, Zurich, Switzerland.	Assembly which can be used as a ramp.

COMMERCIAL WORKING OF PATENTED INVENTION

MECHANICAL ENGINEERING LIST VII

The following Patents in the field of Mechanical and General Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1981, generally on account of want of requests for Licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose.

Sr. No.	Patent No.	Date of Patent	Name and Address of Patentees	Title of the invention
1	2	3	4	5
1	146888	11-3-77	Kimmon Manufacturing Company Limited, of 2-3, 1-chome, Shimura, Itabashi-ku, Tokyo, Japan. Kabushiki Kaisha Takenaka Seisakusho, of 1-51, 1-chome, Nakagawa - Nishi, Ikuno-ku, Osaka-shi, Japan. Aichi Tokei Denki K. K., 2-10, 1-chome, Chitose, Atsuta-ku, Nagoya-shi, Japan.	Diaphragm type gas meter.
2	146905	26-10-76	The Goodyear Tire & Rubber Company, Ohio United States of America, of 1144 East Market Street, Akron, Ohio, U.S. A.	Integrally built and wheel assembly.
3	146921	23-5-77	The Steelastic Co. of 1557 Industrial Parkway Akron ohio-44310, U. S. A.	Apparatus for edging reinforced elastomeric stock.
4	146939	25-9-76	Joseph Americus Slowbe, of 3189 West 73rd Street, Cleveland, Ohio, U. S. A.	Structural joint assembly.
5	146941	7-11-77	Council of Scientific and Industrial Research, Rafi Marg, New Delhi 110012.	Universal friction and wear test rig.
6	146953	13-4-77	Combustion Engineering Inc. of 1000 Prospect Hill Road, Windsor, Connecticut, U. S. A.	Bottom supposed steam generator.

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7	146968	2-2-78	Shrihari Nagesh Lele, 20/2 Kali Lane, City of Calcutta, State of West Bengal, India.	An anti wobbling device for hydraulically compled centrifugal machine.
8	146976	2-7-77	ICI LTD., Kings house, Tilington, Pentry sussex, England.	Apparatus for electrostatic praying of pesticides.
9	146990	25-10-76	Mark Schuman, of 101 G Street, S.W., Washington D. C. 20024, U. S. A.	Thermocompressor utilizing a free piston coasting between rebound chamber.
10	147000	11-11-77	The goodyear Tire & Rubber Company, Ohio, U. S. A., of 1144 East Market Street, Akron, Ohio, U. S. A.	A process for molding a zero pressure device.
11	147009	14-4-78	Joaquim St. Anne Gonsálves, of 103 Mathar pacady Road Mazagan Bombay 400010, Maharashtra, India.	A centre shift key assembly for a type writer.
12	147031	5-2-77	The Associated Cement Company Ltd., of Cement House, 121, Maharshi karve Road, Bombay-400020.	An Improved system for heat hardening of agglomerates.
13	147032	5-2-77	The Associated Cement Co. Ltd. of Cement House, 121 Maharshi karve Road, Bombay 400020, India.	A system for heat hardening of agglomerater.
14	147047	2-12-72	Ethicon Inc. of Somerville, New Jersey U.S.A.	Coated suture material and method for preparing the same.
15	147053	24-5-77	Aerofail Mills Limited, of 2640, South Sheridan Way, Mississauga, Ontario, Canada.	A bearing assembly.
16	147059	14-10-76	Ishikawajima-Harima Jukogyo Kabushiki Kaisha, of 2-1 Chome, Ote-Machi, Chiyo-da-ku, Tokyo-to, Japan.	Vane type hydraulic rotary machine.
17	147061	10-11-76	Societe D'Etudes De Machines Thermiques S.E.M.T., of Quai de Seine, 93202 Saint Denis, France.	Improvements in or relating to a valve cooling and/or lubricating system.
18	147069	22-12-76	Contraves A. G., of Schaffhausstrasse 580, 8052 Zurich, Switzerland.	A combination of a vehicle and an electrical power generating set.
19	147113	26-10-76	Societe D'Etudes De Machines Thermiques-S.E.M.T., of Quai de Seine, 93202 Saint Denis France.	Improvements in or relating to fuel injection pumps for internal combustion engines.
20	147116	1-3-78	Hoechst Aktiengesellschaft, of 6230 Frankfurt/Main 80, F. R. G.	Process and device for the manufacture of tube bend of a thermoplastic material.
21	147124	11-3-77	William Lister of 36, Raboul street, Moorooke Queens land, 4105 Australia.	A pneumatic percussion hammer.
22	147146	29-10-76	Societe De Diffusion Et De Recherches Techniques Et Financieres S. A., of Avenue Du Chateau De La Cour 4, CH-3960 Sierre, Switzerland.	Roofing panels and panels for the constituent part of buildings and an apparatus for carrying and the process.
23	147161	10-5-76	Societe D'Etudes De Machines Thermiques S. E. M. T., of Quai de Seine, 93202 Saint Denis, France.	Device for measuring and following the degree of wear of a first element having predetermined magnetic properties in sliding contact with a second element.
24	147175	6-9-76	Societe Nationale Des poudres Et Explosifs, of 12, of Quai Henri IV, 75181 Paris Cedex 04, France.	Improvements in or relating to a screw extruder having a screw casing connected to a bed
25	147178	4-4-77	Klein Schanzun & Becker AG of 6710 Frankenthal (Pfalz) Port fach 2281, Johann wilnstrasse.	Blade for rotar or rotary pumps.
26	147181	18-10-71	A. R. Fernandez C/o Research Designs & Stand Orgn. Alambagh, Lucknow, India.	A quick release mechanism for use in vacuum brake system of rolling stock.
27	147182	18-10-71	Do.	A vacuum brake system for rolling stock.

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28	147196	20-4-78	Combustion Engg. Inc. of Prospect hill Road, Windsor, State of Connecticut, U.S.A.	A system for producing a low BTU gas in a entrained flow coal gasifier.
29	147214	19-11-75	Personal Products Co. of Milltoron, New Jersey, U. S. A.	A cata menial device.
30	147233	14-9-77	Kraftwerk Union Aktiengesellschaft, 4330 Millheim (Ruhr), Welsenstr. 35, Federal Republic of Germany.	Improvements in or relating to gas turbine rotors with disc constructions.
31	147282	12-8-77	F. L. Smidth & Co. A/S., of 77, Vigerslev Alle, DK-2500 Valby, Copenhagen, Denmark.	Mechanical adjustable roller support for rotary drums.
32	147289	2-5-78	Ahmedabad Textile Industry's Research Association, fo 1860, P. O. Polytechnic, ahmedabad-15, Gujarat, India.	Improvements in or relating to the method of an equipment for improving the quality of sizing of warp yarns.
33	147321	27-2-78	Union Carbide Corporation at 270 Park Avenue, New York, State of New York 10017, U. S. A.	An improved liquid gas contacting tray.
34	147326	25-3-77	Globe Union Inc. of P. O. Box 591, 5757 North green Bay Avenue, Milwaukee, Wisconsin 53201, U. S. A.	Apparatus for producing enveloped battery plates.
35	147357	16-4-77	BHR Family Trust, 14 B-2, Model Town, Bal Rajeshwar Road Mulund West, Bombay-400080., Maharashtra, India.	A float pump.
36	147381	27-6-77	Klein Schanzun & Becker AG of Postfach 225, Johann Kelln strasse of, 6710 Fraklenthalt F. R. G.	A tubular chamber feeder for hydraulically conveying solids.
37	147417	27-5-78	The Registrar-Indian—Indian Institute of Science, of Bangalore,-500012, Karnataka, India.	A kerosene stove.
38	147425	22-8-78	Automotive Products Limited, Tachbrook Road, Leamington Spa, Warwickshire CV31 3ER, R England.	Clutch release bearing assembly.
39	147441	3-8-76	G. D. Societa Per Azioni, of Via Pomponia 10, Bologna, Italy.	An improved rotary head device for supplying cigarettes to the feeding hopper of a cigarette packing machine.
40	147451	7-6-76	Dr. C. Otto & Comp. GMBH., of Christstrasse, 9, Postfach 1849/1850, 463 Bochum, West Germany.	Regeneratively operated water jet coke oven.
41	147455	20-4-77	Jawa Narodni Dodnik of Tynee Nad Sazarou, Czechoslovakia.	A connection of an engine to a frame especially for single trace motor vehicle.
42	147456	2-11-77	O&K orensten & Kopal AG of Elustedelstr 6,2400 lubeck, Federal Republic of Germany.	Doorie specially for unloading containers.
43	147466	7-11-77	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improved powered cycle rickshaw chassis/frame.
44	147491	6-8-77	Girling Limited of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in self energising disc brakes.
45	147493	1-11-77	Compagnie Francaise D'Etudes Et De Construction, "Technip" of 232, Avenue Napoleon-Bonaparte, 92500 Rueil Malmaison, France.	Device for winding tubes around vertical and stationary cones.
46	147515	9-5-77	Oy E. Sailin AB, of Kai voksela, Finland.	Impeller.
47	147528	13-2-78	Paul Reim, of 5 Rathausgassen, 7100 Heilbronn, F. R. G.	Framing means for framing a picture or other object.
48	147554	22-4-77	Associated Electrical Industries Limited, of 1, Stanhope Gate, London W1A 1EH, England.	Improvements in or relating to activating mechanisms for vacuum interrupter.
49	147558	2-8-77	Kraftwerk Union Aktiengesellschaft, 4330 Millheim (Ruhr), Wiesenstr. 35, Federal Republic of Germany.	Improvements in a combined gas turbine and steam power plant.

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50	147562	19-1-78	Hindustan Lever Limited, at Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400020.	An improved device for pouring pourable materials such as liquids slurries and colloids from a container.
51	147568	1-8-77	Kraftwerk Union Aktiengesellschaft, 4330 Mulheim (Ruhr), Wissenstr. 35, Federal Republic of Germany.	Turbine casing assembly.
52	147570	18-7-78	Mining and Allied Machinery Corporation of P.O. Durgapur 10-Dist-Burdwan, State of West Bengal, India.	Dry shale extractor.
53	147574	7-11-77	USS Engineers and Consultants, Inc., at 600 Grant States of America.	Sliding gate valve.
54	147587	11-5-77	Tesa S. A., of Rue Bugnon 38, 1020 Renens, Switzerland.	Adjustable form gauge.
55	147597	10-9-76	Jashbhai Jhaverbhai Patel, of Valvod Taluka Borsad, Distt. Kheda, Gujarat.	A solar heated anaerobic digester.
56	147610	14-6-77	United Technologies 1, Financial Plaza, Hartford, Connecticut, 06101, U. S. A.	A gas turbine.
57	147631	23-9-77	Demag AG of Wolfgang, Renter Platz, D-4100, Duisburg, F. R. G.	Device for the continuous removal of dumps of bulk material.
58	147650	15-2-77	Alexander George Copson, of 52, High Street, Yaddlethorpe, Scunthorpe, Lincolnshire, England.	Normally closed gas exhaust valve and diving gas recovery system incorporating the same.
59	147668	12-1-77	USS Engineers and Consultants, Inc., at 600 Grant Street, Pittsburgh, State of Pennsylvania, U. S. A.	Subsurface pumping installation for handling viscous or sand laden fluids.
60	147686	20-8-75	Do.	Apparatus for locating improperly positioned rolls in a curved roll-rack.
61	147689	15-12-77	Donald Frazier, at Mendham Road, Far Hills, New Jersey 07931, U. S. A.	Centilever rack construction.
62	147704	30-6-78	G. D. Societa Per Azioni, of Via pomponia 10, Bologna, Italy.	Device for checking that the bends joining filters to cigarettes have been sealed down.
63	147710	25-4-77	J. F. Werz Jr. KG of Pressholzern 7141 ober sten fell B-Stuttgart, F. R. G.	Process and device for the production of a not from non flowable molding preparation.
64	147746	13-3-78	NL Industries, INC., of Delaware, U.S. A. Hightstown, New Jersey, U. S. A.	Drill screw.
65	147753	2-8-77	Kraftwerk Union Aktiengesellschaft, 4330 Milheim (Ruhr) Wissenstr. 35, F. R. G.	A shaft seal for a steam turbine with divided outer housing and a shaft seal cover.
66	147766	28-6-78	UOP, INC., at Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U. S. A.	Moving bed radial flow solids fluid contacting apparatus.
67	147767	12-7-77	Schubert & Salzer Maschinenfabrik Aktiengesellschaft, of Friedrich-Ebertstrasse 84, 8070 Ingolstadt, West Germany.	Apparatus for winding a thread delivered as a constant speed.
68	147773	28-11-77	United States Pipe and Foundry Co. of 3300, First Avenue North Birmingham Alabama, U. S. A.	Pipe joints.
69	147774	30-6-77	Massey Ferguson INC., of Antiller Abraham de-veerstrate 7A Cura cao Netherlands, Antilles.	A stackable filter head unit and a filter assembly.
70	147789	17-11-77	Societe D'Etudes De Machines Thermiques—S. F. M. T., of Quai de Seine, 93202 Saint Denis, France.	A super charges set for internal combustion engines of reciprocating piston type.
71	147800	6-12-77	Industrie Pirelli. SPA of Centro pirelli Piazza duce D'Aosta No. 3, 20100 Milan Italy.	Improvements in radial types.

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72	147848	18-7-77	Kearney & Trecker Corporation, of 11000 Theodore Trecker Way, West Allis, Wisconsin 53214, U. S. A.	Tool storage magazine.
73	147864	30-6-77	Didier Engineering GMBH Alfredstrabe 28, 4300, Essen FR Germany.	Device for loosening and/or breaking up of coke in a coke one chamber.
74	147893	27-6-77	Nitto Boseki Co. Ltd of 1A AZA Higashi Gonome, Fukushima-shi, Japan.	Bushing for apparatus for spinning glass fibres.
75	147906	12-7-78	Societe D'Etudes De Machines Thermiques-S.E.M.T.I., of Quai de Seine, 93202 Snt Denis, France.	Improvements in or relating to method and device for stopping a fuel injection internal combustion engine in case of overspeed.
76	147908	28-2-79	Dr. Ramasamy Pitchappan, Lecturer in Immunology, School of Biological Sciences, Madurai Kamaraj University, Madurai 625 021, Tamil Nadu, India.	An adaptor for preparing smeas on solids.
77	147918	16-3-78	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York 10017, U. S. A.	An improved gas liquid contacting tray.
78	147932	11-7-77	Exxon Research and Engineering Company, at 1900 Linden Avenue, Linden, New Jersey, U. S. A.	Method and apparatus for preparing solid particles comprising combustible matter associated with non.
79	147947	24-10-77	Dunlop Limited, of Dunlop House, Ryder Street, Street, St. James's, London SW 1Y 6pX, England.	Vehicle suspension.
80	147950	17-7-78	Arthur Charles Clokey, of P. O. Box 707, City of Topanga, State of California, U. S. A.	Reinforced articles of elastomeric material.
81	147972	22-2-78	Ashland Oil, INC., at P. O. Box 391, Ashland, Kentucky-41101, U.S.A.	A process for the fabrication of a molded article.
82	147991	27-1-78	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	A device for guarding the vacuum in a system.
83	147996	20-3-79	The South India Textile Research Association, Coimbatore-641041, Tamil Nadu, India.	Improved double carding system.
84	148002	21-7-77	Colin William Skelton (Deceased), of 160 Kilaben Road, Kilaben Bay, New South Wales 2283, Australia.	Safety drop brake.
85	148005	15-3-78	Mecenpat GmbH, of Nidelbadstrasse 96, 8803 Ruschlikon, Switzerland.	Container for tap cassette.
86	148014	25-1-78	Kentredder Limited, of Longueville, St. Saviour, Jersey, British Channel Islands.	Method and apparatus for treating tyres.
87	148055	7-4-77	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, U. S. A.	A rotor assembly for a gas turbine engine.
88	148086	16-3-78	Youngflex S. A., Switzerland, of 1, Rue Fries, 1701 Fribourg, Switzerland.	A cushion support strdenre for incorporation in a seat.
89	148134	10-7-78	Indian Institute of Science, of Bangalore, Karnataka, India.	A hybride combustor boiler.
90	148136	18-11-76	Chigago Pneumatic Tool Co. of 6 East 44th, Street New York, New York, U.S.A.	An oscillating air motor for use with running tools of the non impacting type.
91	148148	3-9-77	Westinghouse Electric Corporation of Westinghouse Building, Gateway Centor, Pittsburgh, Pennsylvania 15222, U. S. A.	Apparatus for applying an insulating coating on an elongated metallic member.
92	148166	18-9-78	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improved rotating cup one mometer.
93	148185	31-5-77	Tesa S. A., of Rue Bugnon 38, 1020 Renene, Switzerland.	Measuring gange.
94	148192	11-6-79	Nitto Boseki Company Limited, of 1 Aza Higashi, Gonome, Fukushima-shi, Japan.	A bushing assembly for the drawing of glass fibers.
95	148193	21-7-76	Do.	As assembly for the drawing of glass fibers.

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96	148195	13-6-77	C. Eugen Maier Metalherasbeitung GMBH of Fredrich list str. 41 D, 7012, Fellbaet, F. R. G.	A flyer for yarn or thread winding machine.
97	148206	29-8-78	Automotive Products Limited, Tachbrook Road, Leamington Spa, Warwickshire CV31 3ER, England.	Hydraulic master cylinder for a hydraulic braking system.
98	148221	17-8-77	Mitsui Toatsu Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo, Japan.	Composite melt stage pump.
99	148223	3-10-77	Devlieg Machine Company of Four streets Royal Oak Machigem-48060, U. S. A.	Pre-settable tool supporting device.
100	148224	6-1-77	The Babcock, & Wilcox Co., of 161 East 72nd street, New York, New York-10017, U. S. A.	Conduit in combination with pneumatic transport system.
101	148229	1-12-77	Standard Car Truck Company, of 332 South Michigan Avenue, Chicago, Illinois 60604, U. S. A.	A friction member for use in the bolster pocket of a stabilized railroad car truck.
102	148232	30-1-78	Kraftwerk Union Aktiengesell Schaft, 4330 Mülheim (Ruhr) Wiesenstr. 35, F.R.G.	Radial plain bearing for a rotating shaft.
103	148233	6-3-78	USS Engineers and Consultants, INC., at 600 Grant Street, Pittsburg, State of Pennsylvania, U. S. A.	Manufacture of ingot molds.
104	148240	18-4-78	Unilever Limited of unilever house, block rains Tonda, FC-4, England.	Water previous sheet material suitable for manufacture of tea bags process for preparing the same tea bags process for preparing the same tea bags prepared therefrom.
105	148253	2-7-77	NRM Corporation, of Ohio of 3200 Gilchrist Street, P. O. Box 6338, Akron, Ohio 44312, U. S. A.	Tire curing press.
106	148259	13-12-77	Tesa S. A., of Rue Bugnon 38, 1020 Renens, Switzerland.	Flat segment level for micrometer and gauges.
107	148263	8-3-78	Knorr Bremse GMBH of D-8 München-40 Postfach-401060, Moosacher Strasse 80, F. R. G.	Three pressure control valve for compressed air brakes of rail vehicles.
108	148264	4-4-78	Dr. C. Otto & Comp. GMBH, of Christstrasse, 9, 4630 Bochum, West Germany.	A gas generator operating under pressure and at high temperature.
109	148277	14-12-77	Sulzer Brothers Limited, of Winterthur, Switzerland.	Method and apparatus for the fabrication from sheet metal of internally welded pipe elbows.
110	148294	10-10-77	Palitex Project -Company GMBH., of Weeserweg 8, 4150 Krefeld, West Germany.	Apparatus for the take up and tension free re-issue of a given length of thread.
111	148295	1-12-77	Standard Car Truck Company, of 332 South Michigan Avenue, Chicago, Illinois 60604, U. S. A.	Pad retaining assembly for rail road car truck bolster.
112	148308	8-8-78	Celfil Company Establishment, of Aeulesstrasse 38, 9490 Vaduz, Liechtenstein.	Fibre containing material web for the manufacture of filter rods and process and apparatus for the manufacture of said material web.
113	148338	12-9-77	Horst Brucker, of Riedstrasse 81, 7470 Ebingen (Wurt.) West Germany.	Drive apparatus for driving a shaft.
114	148350	18-5-77	M. Demag AG of wolfgog reuter platz, D-4100 Duisburg, F. R. G.	Mixing bed pile apparatus with bladed pipe pick up.

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115	148351	20-6-77	Indian Head, Inc., 1211 Avenue of the Americas New York, New York-10036, U. S. A.	Improvements in or relating to a brake actuating device.
116	148358	12-6-79	The South India Textile Research Association, Coimbatore-14, India.	Improvements in or relating to covers for licker-in of carding engines.
117	148375	4-4-78	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, U.S. A.	Variable capacity multiple compressor refrigeration system
118	148387	27-7-78	Miles Laboratories Inc., of 1127 Myrtle Street, Elkhart, Indiana-46514, U. S. A.	Staining apparatus and method of staining slides using the said apparatus.
119	148394	25-1-77	Saunders Valve Company Limited, of Cwmbran, Gwent NP4 3XX, England.	Method of forming an injection moulded functional lining on a valve body.
120	148408	21-2-78	Youngflex S. A. Switzerland, of 1, Rue Fries, 1701 Fribourg, Switzerland.	Cushion support element.
121	148421	2-2-78	USS Engineers and Consultants, INC., at 600 Grant Street, Pittsburg, State of Pennsylvania, U. S. A.	Improved slide gate valve apparatus.
122	148424	21-5-75	Girling Limited of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvements in vehicle brake.
123	148444	21-2-78	USS Engineers and Consultants, INC., at 600 Grants Street, Pittsburg, State of Pennsylvania, U. S. A.	A positive displacement pump for handling a suspension of particles.
124	148468	20-9-78	John Donald Wishart, of 8 Chapel Street, Blackburn, Victoria 3130, Australia.	Improved split cycle internal combustion engines.
125	148498	28-10-77	Centralny Ośrodek Projektów-Konstrukcyjnych Maszyn Górniczych "Komag", of ul. Pszczyńska 37, 44-101 Gliwice, Poland	Vibrator feeder.
126	148508	20-6-78	UOP INC., at Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Des Plaines, Illinois, U S. A.	Channel base well screen.
127	148557	22-2-78	Tesa S. A., of Rue Bugnon 38, 1020 Renens, Switzerland.	A shock absorbing device for use in dial measuring instrument.
128	148588	11-5-77	Wean United, INC., of 948 Fort Duguesne Boulevard, Pittsburgh, Pennsylvania, U. S. A.	Belt tensioning device for a vulcanising press.
129	148607	12-12-77	Cummins Engine Company, INC., of 1000 Fifth Street, Columbus, Indiana 47201, U. S. A.	A modulating exhaust braking apparatus for motor vehicle internal combustion engine.
130	148612	19-12-77	MAC Gregor International, S. A., of St. Jakobs-Strasse 9, 4002 Basel, Switzerland.	Improvements in or relating to a device for refracting or extending movable access ramp.
131	148622	4-4-78	Dr. C. OTTO & Comp. GMBH., of Christstr. Bochum, Str. 1, D-4300 Essen. W. Germany.	Packing for apparatus for contacting flowing gaseous and liquid media and the apparatus containing said packing.
132	148626	3-4-78	Do.	Means for supporting the battery decking of underjet coke oven.
133	148656	23-5-78	Societe D'Etudes De Machines Thermiques S. E. M. T. of 2 Quai Dep Sein 93202, Saint Denis, France.	Improvements in or relating to a mushroom valve housing with fluid cool and circulation for internal combustion engine.
134	148753	19-8-77	Dunlop Limited, of Dunlop House, Ryder Street, St. James's London SW1Y 6PX, England.	Improvements in or relating to spinges.
135	149062	19-9-79	Devendra Vassudev Poy Raiturker, of House No. F-70, Aquem, Alto, Margao-Goa 403 601, India.	Improvements in or relating to rotary engine.

RENEWAL FEES PAID

81771 85129 86393 90628 93903 97233 115630 115838
 116346 116771 116912 116968 117473 120117 122224 122335
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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 149002 dated the 21st November, 1978 made by Govindasamy Gunasekaran on the 21st September, 1982 and notified in the Gazette of India, Part-III, Section 2 dated the 22nd January, 1983 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 149121 dated the 30th January, 1979 made by The South India Textile Research Association on the 23rd October, 1982 and notified in the Gazette of India, Part III, Section 2 dated the 22nd January, 1983 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 147830 dated the 1st September, 1978 made by Ramrao Ganpatrao Chaudhari on the 15th September, 1982 and notified in the Gazette of India, Part III, Section 2 dated the 11th December, 1982 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 149262 dated the 13th March, 1979 made by Ramchandra Sivaramakrishnan on the 8th November, 1982 and notified in the Gazette of India, Part III, Section 2 dated the 12th February, 1983 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143862 granted to M. M. Suri & Associates Pvt. Ltd. for an invention relating to "a valve mechanism for a two stroke internal combustion engine." The patent ceased on the 28th April, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was

notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147396 granted to Litton Systems, Inc. for an invention relating to "traversing carriage". The patent ceased on the 9th June, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th October, 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147397 granted to Litton Systems, Inc. for an invention relating to "bucket wheel". The patent ceased on the 9th June, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th October, 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147398 granted to Litton Systems, Inc. for an invention relating to "belt drive for bucket wheels". The patent ceased on the 9th June, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th October, 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147399 granted to Litton Systems, Inc. for an invention relating to "drive for traversing carriage". The patent ceased on the 9th June, 1982 due to non-payment

of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th October, 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147400 granted to Litton Systems, Inc., for an invention relating to "bucket wheel reclaimers". The patent ceased on the 9th June, 1982 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th October, 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 148988 granted to Ram Singh Jayaswal for an invention relating to "an improved fork shovel". The patent ceased on the 2nd March 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th June, 1983.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th October, 1983 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152574. Ashok Kumar Trehan and Mr. Virender Dev Trehan both Indian nationals of E-45, New Delhi South Extension, Part-1, New Delhi-110049, India. "Air Coolers". 13th December, 1982.

Class. 1. No. 152175. Bomsil Jamshed Wadia, C/o. Tata Iron & Steel Co. Ltd., 43, Chowringhee Road, Calcutta-700071, State of West Bengal, India, an Indian national. "Medical Diagnostic Device". 11th August, 1982.

Class. 1. No. 152174. Bomsil Jamshed Wadia, C/o. Tata Iron & Steel Co. Ltd., 43, Chowringhee Road, Calcutta-700071, State of West Bengal, India, an Indian national. "Medical Diagnostic Device". 11th August, 1982.

Class. 1. No. 152172. Bomsil Jamshed Wadia, C/o. Tata Iron & Steel Co. Ltd., 43, Chowringhee Road, Calcutta-700071, State of West Bengal, India, an Indian national. "Medical Diagnostic Device". 11th August, 1982.

Class. 1. No. 152173. Bomsil Jamshed Wadia, C/o. Tata Iron & Steel Co. Ltd., 43, Chowringhee Road, Calcutta-700071, State of West Bengal, India, an Indian national. "Medical Diagnostic Device". 11th August, 1982.

Class. 1. No. 153205. Bullworker Private Limited, a limited liability company, incorporated under the Companies Act, 1956, Manufacturers and Traders, trading as Bullworker Private Limited, with the Administrative Office at Mehta Mahal, 15, Mathew Road, Bombay-400 004, Maharashtra, India. "Exerciser". 14th June, 1983.

Class. 1. No. 153223. Sanjay Rajkumar Agarwal, Indian National, having his office at C/o Toyoto Engineering Works, Makani Industrial Estate, Unit No. 2, Gala No. 3, Baram Patil Road, Village: Khari, Bhayandar (East), Dist. Thane, Maharashtra, India. "a Bottle Opener". 23rd June, 1983.

Class. 1. No. 153017. Gajanan Sadashiv Ekbote, Indian National, of 37/2C, Shinkershett Road, Pune 411037, Maharashtra India. "Luggage Carrier". 18th April, 1983.

Class. 1. No. 152655. Petrus Johannes Lambertus De Leeuw, a Dutch National, of B. Van Heesselstraat 5, 5735 Ak Aarle-Rixtel, The Netherlands. "Scaffolding Looking Unit". 6th January, 1983.

Class. 3. No. 152975. Bansal Plastic Industries, C-7, Wazirpur Industrial Area, Delhi India, a partnership firm. "Tricycles". 7th April, 1983.

Class. 3. No. 152442. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership Firm. "Tray". 5th November, 1982.

Class. 3. No. 152951. Rajdeep Plastics, 17, Jamnadas Industrial Estate, Dr. Rajendra Prasad Road, Opp. Jawahar Talkies, Mulund (West), Bombay-400080, Maharashtra State, an Indian Partnership Firm. "Jerry Can". 31st March, 1983.

Class. 3. No. 152979. Homi Kaikhushru Erani, Indian National, of Residing 318 W. Seneca, Pierre, South Dakota 57501, U.S.A. "A Cycleseat". 8th April, 1983.

Class. 3. No. 152958. Suryavindar Obhrai an Indian National, of 10-C Industrial Area, Govindpura, Bhopal-462 023, Madhya Pradesh, India. "A Hanger". 4th April, 1983.

Class. 3. No. 152806. Taparia Tools Limited, Sylvester Building, 20, Shahid Bhagatsingh Road, Bombay-400023, Maharashtra, a limited company incorporated under the Indian Companies Act. "Testing Instrument". 1st March, 1983.

Class. 3. No. 153052. Simple Electronics (India), 55, Raj Baug, Estate, Pydhonie, Bombay-400003, Maharashtra, an Indian Partnership Firm. "Gas Lighter". 26th April, 1983.

Class. 3. No. 152734. A C O A R T, a registered partnership firm, carrying on business at 212-A Virwani Industrial Estate Western Express Highway, Goregaon (East), Bombay-400 063. "Ornamental Tube". 29th January, 1983.

Class. 3. No. 153206. Bullworker Private Limited, a limited liability company, incorporated under the Companies Act, 1956, Manufacturers and Traders, trading as Bullworker Private Limited, with the Administrative office at Mehta Mahul, 15, Mathew Road, Bombay-400 004, Maharashtra, India. "Exerciser". 14th June, 1983.

Class. 3. No. 152751. S. Harjit Singh, an Indian National, trading as Shellka Sales Corporation, 26B/1, D.B. Gupta Road, Chowk Anand Parbat, New Delhi-110005. "Tricycle". 7th February, 1983.

Class. 4. No. 152635. Pareshnath Das Deb 79B, Pataldanga Street, Calcutta-9, West Bengal, India. "Wheel Cap Panel". 1st January, 1983.

Class. 12. No. 152682. Left Field Limited, of 19 Relmar Road, Toronto, Ontario Canada M5P 2Y4. "Frozen Confectionery Food Product". 17th January, 1983.

EXTN. OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

Nos. 143693, 147802.—Class-1.

Nos. 147409, 148585, 147575.—Class-3.

Nos. 147530, 147531, 147754, 147703.—Class-4.

No. 151965.—Class-5.

Nos. 142252, 142253.—Class-10.

EXTN. OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEARS

Nos. 143693, 147802.—Class-1.

Nos. 148585, 147409, 141211.—Class-3.

Nos. 147530, 147531, 147754, 147703.—Class-4.

No. 151965.—Class-5.

DR. K. V. SWAMINATHAN
Controller General of Patents, Designs
and Trade Marks

